

RFP # 2025-002

ADVANCED METERING
INFRASTRUCTURE (AMI) SOLUTIONS

JANUARY 10, 2025, 2PM CT



Partnering with TXShare Members to keep
essential infrastructure reliable, safe, & improving



FUND, DESIGN, ENGINEER, PROCURE,
INSTALL, COMMISSION & TRAIN



MAINTENANCE & UPGRADE
COLLABORATION



FINANCIAL BENEFITS



SUSTAINABLE & ECO-FRIENDLY

TXShare

Your Public Sector Solutions Center

REQUEST FOR PROPOSALS

For

Advanced Metering Infrastructure (AMI) Solutions

RFP # 2025-002

Sealed proposals will be accepted until 2:00 PM CT, **January 10, 2025**, and then publicly opened and read aloud thereafter.

Legal Name of Proposing Firm

Contact Person for This Proposal

Title

Contact Person Telephone Number

Contact Person E-Mail Address

Street Address of Principal Place of Business

City/State

Zip

Mailing Address of Principal Place of Business

City/State

Zip

Point of Contact for Contract Negotiations

Title

Point of Contact Telephone Number

Point of Contact Person E-Mail Address

Acknowledgment of Addenda (initial): #1 _____ #2 _____ #3 _____ #4 _____ #5 _____

NOTE: Any confidential/proprietary information must be clearly labeled as “confidential/proprietary”. All proposals are subject to the Texas Public Information Act.

COVER SHEET

Introductory Letter/Statement of Understanding

Sustainability Partners LLC

3133 W. Frye Road, Suite #101, Chandler, Arizona 85226

January 10, 2025

North Central Texas Council of Governments
616 Six Flags Drive, Arlington, Texas 76011

Dear North Central Texas Council of Governments (“NCTCOG”),

On behalf of Sustainability Partners (“SP”), Kamstrup, and Utility Metering Solutions (“UMS”) (collectively the “Proposer”) we are extremely excited to partner with you to implement your strategic vision for comprehensive Advanced Metering Infrastructure (“AMI”) solutions and thank you in advance for your consideration of our proposal.

The following response to RFP # 2025-002 outlines our ability to successfully provide comprehensive and cost-effective services to implement versatile, best-in-class AMI water meter systems including long-term monitoring, maintenance, and upgrades required by NCTCOG and its members.

Sustainability Partners (SP) is a Public Benefit Company committed to building trusted long-term partnerships with government agencies to expedite and advance the adoption of sustainable infrastructure. SP is a well-established and financially stable firm capable of facilitating any combination of the necessary funding, design, engineering, procurement, project facilitation, installation, commissioning, ongoing maintenance, and long-term upgrades required for NCTCOG’s critical infrastructure. We also provide supplementary and match funds for state and federal grants.

SP serves government entities across the nation including state agencies, municipalities, counties, school districts, hospitals, and others. SP’s #1 priority is for infrastructure to be reliable, safe, and performing with zero upfront capital required from our customers. Mirroring your familiar monthly water and electric billing, SP charges on a standardized rate structure based on usage, capacity, and/or availability.

SP offers a month-to-month service, **Metering as a Service** for comprehensive and sustainable AMI water metering solutions. Simply, **SP solves your capital needs for infrastructure then partners with you to keep assets reliable, safe, and improving – forever.**

Our model encourages transparency and collaboration; SP prioritizes the best interests of our customers who become our long-term partners. We are 100% aligned with the NCTCOG’s goals to provide versatile water metering solutions, implement advanced data management and integration, achieve cost-effective and scalable implementations, and ensure efficient maintenance, repair, and meter replacement support for NCTCOG member entities.

SP, in collaboration with our best-in-class vendor partners, will develop a plan with each customer to keep the assets maintained, updated, and replaced as appropriate. Assets are reliably kept in a state of good repair for our customers’ use. At any time, customers may choose to cancel and own the infrastructure without penalties.

Since SP’s establishment, we have successfully provided our customer partners with essential infrastructure systems including, but not limited to, smart water meters, wastewater treatment, wells, LED lighting, boilers, HVAC, electric vehicle and charging infrastructure and more.

Notably in June 2021, SP was awarded the RFP for Meters as a Service for Jackson, Mississippi's installation and support services of a comprehensive AMI water meter system including over 70,000 residential and commercial meters. *A reference letter is included and reflects the success of the project and partnership.* Another large contract currently underway is citywide meter replacements in Shreveport, Louisiana for over 77,000 residential and commercial meters.

SP has been awarded numerous other AMI water meter projects across the country varying from small to large projects. SP brings tremendous depth of expertise and experience; we remove all forms of non-value add while relentlessly pursuing scalability for the design, underwriting, procurement, and ownership of AMI water meter solutions.

Kamstrup celebrates over 75 years' presence in the metering market with over 30 years' experience developing and delivering ultrasonic water meters globally. Being a pioneer with a thirty-year history solely focusing on ultrasonic measurement, Kamstrup has deployed over 15 million metering points throughout the world. Opening its manufacturing facility in 2018 located in Roswell, Georgia, Kamstrup is now in its tenth year of market presence in the United States.

kamstrup

Kamstrup is a very financially stable company with a constant focus on a great customer experience. With over 1,500 employed worldwide, we invest millions of dollars in our people and operations, especially in the U.S. Kamstrup holds numerous ISO certifications, as well. (9001, 27001, 17025)

25% of our associates are PhDs and engineers overseeing the quality and functionality of our product offerings. Kamstrup also allocates a significant percentage of its profits to further Research and Development to meet the ever-growing needs of our customers and their challenges.

Kamstrup's meter solutions have been installed in 90 countries with over 8M ultrasonic water meters sold worldwide. Kamstrup's flowiQ® 2200 is the only smart water meter on the market today with integrated acoustic leak detection. With the deployment of more and more systems across the U.S., Kamstrup is proud of the client testimonials it has received by helping utilities realize uncaptured revenue and improve their operations.



Kamstrup's meters will maximize your water infrastructure providing many benefits including:

- **Increased revenue growth** without the need to raise water rates through sustained measurement accuracy throughout the product lifetime of twenty years. The flowiQ® 2200 water meter provides sustained new meter accuracy levels, and measures at an industry leading low start flow of .01 GPM over its 20-year accuracy warranty.
- **Greater operational cost savings** by deploying a product that is designed to help identify distribution side leaks which can account to up to fifty percent of non-revenue water. With the water infrastructure in the U.S. being an average age of over forty years, Kamstrup's integrated smart meter with acoustic leak detection can assist with finding leaks by monitoring 24/7, 365 days of the year for twenty years. With integrating acoustic technology into a smart water meter, no additional devices or infrastructure is required to install or maintain, and no additional resources are needed for data collection. All flowiQ® 2200 ALD smart meters act as acoustic sensors constantly monitoring for anomalies within your entire distribution network. This allows NCTCOG's members to prioritize and focus leak detection efforts where it will make the most impact and reduce the time that distribution side leaks are allowed to run.

Utility Metering Solutions (UMS) is a privately-owned company, established in 2009 as a field meter installation company based in Houston, Texas with additional offices in Louisiana and North Carolina. Since then, it has evolved into a full-service firm specializing in the **design, build, integration, and maintenance** of innovative utility solutions: Advanced Metering, Billing Systems, Smart Customer Design and Integration, and Water Conservation. Our solutions' designs, installations, and AMI systems integrations are managed with exceptional aptitude, often not found in performance contractors, manufacturers, or traditional construction companies.



In the past three years, UMS has worked on **over 140 projects and installed more than 3,000,000 meters and AMI endpoints**. UMS has installed and overseen the implementation of all major meter brands, ranging from direct-read solutions to automated meter reading (AMR), to advanced metering infrastructure (AMI). Today, UMS is the nation's leading provider of AMI solutions for water, electric, and gas utilities and is on the cutting edge of Smart Cities implementation.

The UMS qualifications speak for themselves: each of its field personnel (project managers, installers, etc.), information technology/programming specialists, data and business analysts, and Project Management Institute® (PMI®) certified project managers have a profound understanding of advanced metering, utility billing, and Smart Customer infrastructure/design initiatives, which ensures a seamless and successful project.

UMS is the leading end-to-end solution provider that helps cities accelerate advanced metering implementations and improve operational outcomes. UMS brings experience in designing full scale meter change out programs, data integration, meter installation and long-term services leading to discoveries and implementation strategies that are changing the industry and have made UMS the premier utility services firm in the industry. This project aligns with UMS's core business, and UMS is committed to:

- Serving as an ambassador to NCTCOG members during their upgrades to ensure project success,
- Executing the project, systems integration, and deployment of the new metering system in a manner which builds trust between all stakeholders,
- Working directly with SP and Kamstrup to maximize the benefits and capabilities of the upgraded metering as a service system, and
- Meeting and exceeding its Historically Underutilized Business ("HUB") participation goals.

Summarized below are qualifications and capabilities which demonstrate why the UMS team is most qualified to implement this water meter solution:

- Certified Installation Services Provider for all major manufacturers,
- UMS has implemented 1,000,000 meters in just the last three calendar years; it has the staff and resources to implement your metering as a service solution,
- 200+ AMR/AMI installations nationwide; over 3 million meters installed by UMS employees,
- A full-service, highly qualified professional services team with a deep understanding of advanced metering, utility billing, work order management and Smart Customer infrastructure/design initiatives,
- Project Management services team led by PMP®-certified Project Managers who have been actively involved in the management, billing integration, and successful implementation of more than 150 AMI conversion projects,

- Strong references with current and past clients who continually recommend UMS to other utilities and municipalities,
- Financial ability to undertake the work and assume implementation risk,
- Leader in the industry at developing the best practices for communicating program benefits, project details, and COVID-19 safety information to utility partners, and
- Proprietary work order management and data analytics software suite (Xchange), designed to help manage meter deployments efficiently and accurately.

The following Proposal details our effective and beneficial AMI infrastructure solution for NCTCOG and its members. Our solution will enable the NCTCOG and its members to benefit from a state-of-the-art water meter solution of their choosing with embedded ongoing maintenance and support.

We make infrastructure easy. Our plan goes beyond traditional means of improving infrastructure and handling deferred maintenance to positively impacting each customer's balance sheet, increasing efficiency, and helping NCTCOG members meet their sustainability goals while also reducing overall long-term operating costs and ownership liability.

Please let us know if you need anything else.

Sincerely,



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(480) 845-0040 - Office
(949) 923-0010 - Cell



Jason Hewitt, Managing Partner of Infrastructure
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(225) 281-2965 – Cell



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KEY PERSONNEL

SP Key Personnel – Infrastructure as a Service® | Metering as a Service

Our combined team qualifications are second-to-none. SP brings substantive depth of expertise and experience to infrastructure projects. Our team has decades of applicable and successful industry experience, with immediate working knowledge of how to *successfully deliver capital* to complex and risk-averse government-owned infrastructures. Moreover, our collective SP leadership are champions for sustainable investments, having made personal and business investments that have positive, significant, and long-term impact on communities across the nation.

The following specialized team members bring forth their expertise to facilitate successful projects for NCTCOG customers across the nation. Together this team, in collaboration with our vendor partners, are qualified, committed, and looking forward to the opportunity to serve you.

SP's approach to the overall management and integration of all activities required to provide the comprehensive AMI water infrastructure solution for NCTCOG customers will be very similar to that employed by SP in comparable projects. The following team has been key to facilitating turnkey water infrastructure solutions for customers including but not limited to the following:

- Baldwin, Louisiana
- Capital Area Groundwater Commission
- Cheneyville, Louisiana
- Cotton Valley, Louisiana
- Halifax, North Carolina
- Hessmer, Louisiana
- Homer, Louisiana
- Jackson, Mississippi
- Jacksonville University, Florida
- Jackson, South Carolina
- Lake Charles, Louisiana
- Okolona, Mississippi
- Simmesport, Louisiana
- Ville Platte, Louisiana
- Opelousas, Louisiana
- Roosevelt County Water CoOp
- Salemburg, North Carolina
- And others...

NCTCOG Main Point of Contact



Jason Hewitt
Managing Partner
of Infrastructure



Eric Street
Infrastructure Partner



Nathan Nguyen
Infrastructure Partner



Jake Beebe
Director of
Infrastructure Specialists



Connor Goss, P.E.
Infrastructure
Specialist



Allison Wallace
Infrastructure
Specialist



Connor Fay
Infrastructure
Specialist

Project
Originators

Project
Execution



Harry Sherman
General Counsel



Ashley Ewing
Sr. Corporate Counsel,
Vendors



Sean Mitchell
Senior Analyst



Todd Magyar
Corporate Controller



Terry Frazier
Project Cost Controller



Parker Goldstein
Director of
Project Logistics

Legal

Capital

Accounting

Logistics

General Contractor
UMS

Original Equipment Manufacturers
kamstrup

Local Trade Partners
To Be Determined
Based on customer requests and needs

UMS Key Personnel – Qualified & Experienced Implementation

UMS staff is fully trained in the removal of existing meters and the installation of new AMI metering systems. All UMS staff follow the customer's safety and work standards policies, executing project installations, commissioning, and training with excellence.

UMS is deeply committed to the long-term success of your AMI solution and believes a holistic, customer-centric approach is critical to achieving that success. Partnership is what sets our team apart from the competition. We work with you to develop actionable implementation plans that meet your immediate needs and long-term goals. Here are several key reasons why the UMS Installation Team is the most qualified service provider for NCTCOG customer projects:

- ▲ UMS understands technology. In the last three years alone, UMS has implemented over 100 Advanced Metering and CIS programs nationwide.
- ▲ Each month UMS installs between 35,000 and 40,000 smart meters. UMS has the staff and resources to complete this project on time and within budget.
- ▲ UMS employs best practices for communicating program benefits, project details, and safety information to your utility customers.
- ▲ UMS is a Certified Installation Services Provider for all the major AMI and Meter manufacturers.
- ▲ UMS has no prior or pending legal disputes or lawsuits with any existing or previous clients.

UMS Key Personnel & Implementation Team

Zachary Lemay, PMP® | Project Manager



Zachary is a customer-centric project manager with over 5 years of project management experience, successfully driving to completion numerous large-scale (10k+) projects with smart meters. He has capitalized on his seasoned expertise as a strong negotiator and collaborator through his experience in sales and project execution, managing scope and budget with a focus on quality and customer satisfaction. Zachary is also invested in Energy Conversation and Low Environmental Impact Energy projects.

Joe Badera | AMI Project Setup Advisor

Joe holds a B.S., Computer Science, S.U.N.Y. Binghamton and is PMI Certified Project Management Professional. Joe has over twenty-five years' experience in the successful implementation of a multitude of projects with a high level of client satisfaction while balancing the triple constraints of project scope, schedule, and budget. Joe has over ten years' experience in all aspects of delivering advanced water, electric, and gas metering solutions for municipalities, utilities, and cooperatives nationally, helping clients realize the value of advanced metering technology. Joe successfully manages Advanced Metering solution programs and projects spanning various Advanced Metering solution providers and a broad spectrum of program elements. These components include Advanced Metering network installation, equipment configuration, water/electric/gas advanced meter deployments, utility billing integration, public engagement, meter data management and analytics, field surveys, meter accuracy testing, business process analysis, and improvements. He collaborates with clients during the readiness phase to thoroughly understand requirements and



ensure we are prepared to meet contractual obligations and client expectations. Joe developed business processes and a pilot implementation program for a one (1) million electric meter deployment project. He developed, managed, and delivered custom system integrations for over 100 AMI/AMR client integration projects.

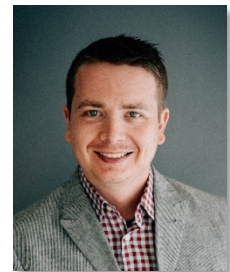
Stephen Zozula | Systems Integration & Quality Control



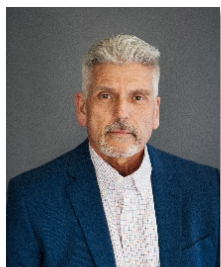
Stephen has nearly 10 years of experience in the advanced metering industry. He specializes in AMI/AMR support, training, and the use of software and computer-based solutions. Stephen understands all data-related data, use cases, reporting, mass meter change-out and AMI Network troubleshooting with multiple AMI solutions on the marketplace. as nearly 10 years of experience in the advanced metering industry. He specializes in AMI/AMR support, training, and the use of software and computer-based solutions. Stephen understands all data-related data, use cases, reporting, mass meter change-out and AMI Network troubleshooting with multiple AMI solutions on the marketplace.

Jeremy Smith | National Construction Manager

Jeremy has over 10 years of experience in the construction field managing and supervising employees. He has successfully managed and completed AMI projects and water conservation projects for UMS and consistently gets top-level performance from his teams in the field. Jeremy understands how seemingly small decisions can drastically affect the scope of work for the construction part of any AMI deployment. Jeremy will assign the onsite Field Service Manager for your project once the project is awarded and updated timelines are set. Until this time Jeremy along with the Project Manager will be setting up the specific requirements for your project.



Larry Merriman | Operations Excellence



Recently serving as the Utilities Director and Sr. Engineering Project Manager during Infrastructure Capital Projects totaling over \$100MM, financed primarily through Municipal Bonds and State Agency funding. Larry is very familiar with the challenges associated with the Utilities. While he was the Director of Special Operations in Dallas, TX, he was responsible for assessing Field Operations Policies and procedures, leading the effort to revise and reissue Field Operations Standard Operating Procedures, Safety Manual, Field Audit process, Field Staff Training, and an overall safety program review. He was instrumental in implementing process improvements to enhance Safety, training, efficiency, hiring, interviewing, quality and cost controls, and other methodologies for Field Operations Group. Larry served as a mentor to the Director of Operations for guidance and Career Development. Served as the Safety Contract Manager and administered both safety and task training in many areas.

REFERENCES

Jackson, Mississippi | Ted Henefin, P.E. – JXN Water, Interim Third-Party Manager

Email: ted@jxnwater.com

Project Type: Smart Water Meter System

Status: 95% Completed; Currently fulfilling increased scope requests

Project Scope: Comprehensive AMI water meter system throughout customer with >70,000 residential and commercial meters with software and integration of billing system, ongoing monitoring and maintenance included; increased scope to also include inventory of lead service lines

Roosevelt County Water Coop, Inc. | Ursula Parker, General Manager

Email: rwc@yucca.net

Project Type: Smart Water Meter System

Status: 100%

Project Scope: Comprehensive AMI water meter system with software and integration of billing system; ongoing monitoring and maintenance included

Cotton Valley, Louisiana | Michelle Jackson, Customer Clerk

Email: cvtownhall@gmail.com

Project Type: Smart Water Meter System

Status: 100%

Project Scope: Comprehensive residential and commercial AMI water meter system with software and integration of billing system; ongoing monitoring and maintenance included

Shreveport, Louisiana | William Daniel, IV, P.E. – Public Works Director

Email: william.daniel@shreveportla.gov

Project Type: Smart Water Meter System

Status: Mass Deployment, >77,000 meters

Sun N' Lake Improvement District | Raymond Bossert, District General Manager

Email: rbossert@snldistrict.org

Project Type: Smart Water Meter System

Status: 100%

Project Scope: Comprehensive AMI water meter system with software and related software for billing; staff training, ongoing maintenance



METERING AS A SERVICE (MaaS)

Why it's a Game-Changer for Utilities



Sustainability Partners' Metering as a Service offers utilities a range of benefits by providing a comprehensive solution for metering operations. Here are some key benefits of adopting MaaS:



Positive Cash Flow from Day One

- **No Upfront Costs:** The traditional AMI investment does not yield positive cash flow benefits until over half of the meter's useful life. In contrast, MaaS is an ROI-focused model delivering all the benefits of AMI with no upfront cost, converting the significant capital costs of purchasing and installing meters into predictable, manageable operational expenses.
- **Reduced Capital Expenditure:** Sustainability Partners owns and maintains the metering equipment, reducing the financial burden on utilities and freeing up capital for other investments.
- **Anytime Option to Take Ownership:** The utility can acquire the system at any time with a 30-day notice. There are no penalties, and the price is calculated with a predetermined calculation.



Scalability & Flexibility

- **Adaptable to Utility Growth:** MaaS solutions can easily scale based on the number of customers, new service areas, or increased demand, providing flexibility to accommodate changes without major new investments.
- **Customizable Services:** Utilities can choose from a range of service options tailored to their specific needs, including different sizes of meters, data management services, acoustic leak detection, and customer engagement tools.



Access to Advanced Technology

- **Latest Metering Innovations:** Sustainability Partners uses the most up-to-date metering technologies, ensuring utilities benefit from the latest advancements without continuously investing in upgrades.

SP's Metering as a Service enables:



Potential for immediate ROI



Turnkey deployment with focus on maintenance



Monthly usage-based billing vs. long-term debt
(no impact on bond/credit rating)



Never any markup on products and services



Anytime option to take ownership of the assets



Mitigate risks of aging water infrastructure



SP's Metering as a Service is the most effective solution for utilities to improve operational efficiency, customer satisfaction, and financial performance while staying ahead of technological changes. MaaS enables utilities to focus on their core mission of providing reliable and affordable services to their customers.



Improved Data Accuracy & Reliability

- **Accurate Meter Readings:** Advanced metering technologies provide precise, near real-time data on water usage, reducing billing errors and improving overall service reliability.
- **Enhanced Data Analytics:** Kamstrup's system includes data validation, anomaly detection, and advanced analytics to help utilities understand consumption patterns, detect leaks, and optimize resource management.



Operational Efficiency

- **Streamlined Operations & Reduced Maintenance Burden:** Sustainability Partners facilitates the installation, maintenance, and troubleshooting of metering systems, allowing utility staff to focus on core activities and strategic initiatives.



Enhanced Customer Service

- **Improved Billing Accuracy:** With accurate and near real-time meter data, utilities can provide precise billing, reducing customer disputes and enhancing trust.
- **Proactive Issue Resolution:** Kamstrup's system includes monitoring and alerts for unusual usage patterns, enabling utilities to proactively address leaks or consumption anomalies before they become significant problems.
- **Customer Engagement:** Tools such as customer portals and mobile apps allow customers to easily access their usage data, helping them make informed decisions about their consumption and fostering a sense of empowerment.



Regulatory Compliance & Security Safeguards

- **Stay Compliant:** Sustainability Partners can help provide solutions to meet your needed regulatory standards, which helps utilities avoid penalties and ensures compliance with data protection and reporting requirements.
- **Data Privacy:** Kamstrup's system complies with data privacy laws and regulations, safeguarding customer information and ensuring customer trust.



Cost Predictability

- **Predictable Monthly Fees:** MaaS provides utilities with predictable costs, making budgeting and managing financial planning easier.
- **Reduced Risk of Unexpected Costs:** The service agreement covers maintenance, repairs, and technology upgrades, reducing the risk of unforeseen expenses.



Environmental Benefits

- **Resource Optimization:** Accurate metering and near real-time data help utilities manage resources more efficiently, reducing waste, and promoting sustainability.
- **Support for Conservation Programs:** Utilities can use detailed consumption data to design and implement effective water conservation programs, encouraging customers to reduce usage and environmental impact.



PROJECT RELATED EXPERIENCE & QUALIFICATIONS

Sustainability Partners (SP) brings substantive depth of expertise and experience with a long history of successfully funding, deploying, and maintaining AMI water meter solutions across the nation. Our team has decades of applicable and successful industry experience, with immediate working knowledge of how to *successfully deliver capital* to complex and risk-averse government-owned infrastructures. Moreover, our collective SP leadership are champions for sustainable investments, having made personal and business investments that have positive, significant, and long-term impact on communities.

The breadth of our team's experience in capital allocation and facilitation of similar AMI Metering as a Service projects will allow us to quickly structure each process and execute each requirement for the benefit of NCTCOG customers.

When essential infrastructure assets are modernized, significant cost savings are achieved as old, unreliable, and costly assets are replaced. SP's robustly engineered design requirements, direct procurement, and uncompromising maintenance yield real total cost savings. SP is a clear alternative to traditional purchase or public works procurement with financing, bonding, public-private partnerships, leasing, engineering procurement and construction contracts ("EPCs"), and shared savings arrangements.

Going further and as evidenced in our name, our core business is sustainability. SP reduces the negative environmental impact and general inefficiencies of old, inefficient, and costly infrastructure and replaces it with the newer, better, cleaner, more efficient solution. We replace old with new, dirty with clean, costly with efficient, dangerous with safe, and broken with reliable, thus we responsibly help communities by providing robustly engineered, energy efficient infrastructure solutions. We choose to procure and install equipment of the highest quality with green energy efficiency ratings, and our engineers maintain LEED BC+C Green Business Certification. These practices have been in place since the founding of our organization.

Our mission is to convert essential infrastructure into a sustainable utility.

Our vision is permanently reliable and sustainable essential infrastructure.

The multitude of projects in our company's history have ranged from projects providing cities and towns with modern energy efficient clean water monitoring systems and leak detectors, upgrading wastewater treatment plants, deploying crisis-saving IoT technology, installing energy saving HVAC for school districts, replacing inefficient government fleet vehicles with low/no emission vehicles together with the associated charging (fueling) infrastructure, upgrading thousands of incandescent lights with LEDs in schools, courthouses, jails, sports complexes, and more. We are an economically, socially, and environmentally conscious organization named Sustainability Partners because we believe in sustainable business practices which earn us 100-year partnerships with communities across the nation.

SP combines internal expertise with the capabilities of our vendor partners to design and engineer the assets we procure professionally and efficiently. Our Infrastructure as a Service® model allows us to choose the optimal counterparties to provide the most thorough and efficient services. Whenever possible we seek to employ trusted and qualified local labor for our projects for the benefit of the local economy.

We invest in infrastructure and implement solutions that remove all forms of non-value add elements while relentlessly pursuing scalability for the design, underwriting, procurement, and ownership of essential services.



Here are a few examples of relevant past projects:

Jackson, Mississippi — Municipality, 2021

Background: The city of Jackson is the capital and largest city in the state of Mississippi. The Jackson Water/Sewer Division of Public Works delivers water to roughly 150,000 customers and strives to provide clean drinking water to its customers.

Challenge: In 2014, Jackson, Mississippi contracted to install a new water meter system, that resulted in a failed implementation. In 2019, the City filed a lawsuit against the meter provider after facing a series of water disasters and expensive attempts at remediation resulting in impending financial catastrophe. A significant number of the 60,000 meters were installed incorrectly and many of the meters failed. During this time, thousands of customers stopped receiving bills while many others received inaccurate bills that jumped to thousands of dollars. The City lost \$2 million in revenue per month and more than \$20 million the previous year.

In April 2020 the City was successful in litigation and settled the lawsuit for \$90 million allowing the City to recover the initial investment. However, the City still needed a comprehensive system to track water, detect leaks, and accurately bill for water usage to customers who had lost trust in the City. City leadership was exhausted trying to course correct and receptive to a metering-as-a-service option and sought help from Sustainability Partners.

Project Description: In November 2020, the city of Jackson signed a Master Utility Service Agreement ("M-USA") with Sustainability Partners to procure, replace, and maintain a comprehensive water meter system as well as to facilitate the completion of a lead service line inventory and implementation of a new billing system. The agreement included a process to assist in the public procurement of the equipment.

SP enables the City to have the professional services required to support the pre-deployment, deployment, and long-term maintenance of Advanced Metering Infrastructure ("AMI") throughout its service area. The project comprises installation of more than 65,000 commercial and residential water meters, collectors, data software, billing integration, staff training, and a plan for ongoing maintenance.

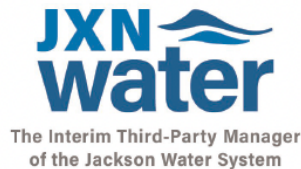
During this mass meter exchange, the City faced another devastation when the lack of revenue and maintenance impacted the water treatment plant. The City was unable to provide drinking water to its service area for nearly a month. The EPA and DOJ installed an Interim Third-Party Manager oversee the remediation of the entire water system that included the work that SP was doing for the City.

Impact: As a very large project rolled out over two years, the City experienced significant changes for the better since the *first month* of deployment. After just one month of installing new smart water meters, the City recorded \$7.2 million in water revenue collections versus \$3.6 million the month before.

In addition, the distribution side and customer side acoustic leak detection have proven to mitigate problems by finding leaks and providing alerts to get them fixed before they cause costly problems. Since there was zero upfront capital required from the City, Jackson was also able to reallocate funds to other mission critical initiatives.

The system operates as expected providing up-to-date information enabling the city to provide improved customer service, real-time data, accurate bills, mitigate leaks with acoustic leak detection, reduce energy and water waste, and more.

The path has not been easy due to extenuating circumstances in Jackson, but the Interim Third-Party Manager has expressed sincere gratitude for its partnership with SP and is planning to collaborate again on future wastewater infrastructure projects. The following letter of recommendation is written by Mr. Ted Henifin:



January 25, 2024

Jake Beebe
Sustainability Partners
jbeebe@s.partners

Letter of Reference for Sustainability Partners

I was appointed the Interim Third-Party Manager (ITPM) of the City of Jackson's water system on November 29, 2022, by US Federal District Court Judge, for the Southern District of Mississippi, Northern Division, the Honorable Henry T. Wingate. This appointment was the culmination of months of negotiations between the City of Jackson, the Mississippi Department of Health, the US Environmental Protection Agency, and the US Department of Justice in an effort to stabilize the drinking water system that had failed in August 2022.

As the ITPM, I am responsible for operations and maintenance of the drinking water system (in October 2023 the sewer system was added to the ITPM's responsibilities). I inherited a number of active contracts including a water meter replacement agreement with SP. Initially I was unsure about the value and benefits of the SP agreement and even put a one month hold on new meter installations to learn more about the agreement and project in February 2023. As I reviewed the agreement, I determined it was very beneficial for Jackson.

The City of Jackson was overextended with debt supported by revenue pledges and was unable to raise the capital necessary for a meter replacement. The City had a failed meter installation between 2015 and 2019. Without functional meters, customers began to just not pay bills. There was no visibility into consumption data and the collection rate dropped to nearly 50 percent.

The solution offered by SP allowed the City to enter into an agreement to replace all meters with state-of-the-art AMI meters and upgrade the billing system without any upfront capital. The built-in maintenance of the infrastructure for the life of these assets really makes the SP solution a perfect fit for Jackson. For a reasonable monthly fee per working meter, Jackson receives state-of-the-art infrastructure without any worries about maintaining these devices.

SP has been great to work with and responsive to my requests for information. I would recommend SP to any community challenged to maintain their infrastructure (which may be all communities).

Sincerely,



Interim Third-Party Manager

Lake Charles, Louisiana — Municipality, 2022

Background: Lake Charles, Louisiana is the fifth most populated city in the state of Louisiana and the principal city of the densely populated Lake Charles metropolitan statistical area. It is a major industrial, cultural, and educational center in the southwest region of the state.

Challenge: The citywide water metering infrastructure in Lake Charles, Louisiana, had been in operation for 30+ years and was long overdue for replacement. The vulnerabilities of the system became painfully evident after Hurricane Laura made landfall in August 2020 and devastated the area, prompting the City to seek options to replace over 35,000 commercial and residential meters of varying sizes and types. Although the City qualified for federal funding it was not enough to cover the significant cost of a modern and efficient solution.

Project Description: Following a Request for Proposals, the City awarded Sustainability Partners the citywide end-to-end deployment of 35,545 smart water meters with acoustic leak detection for residential and commercial customers. Additionally, and as needed, site rehabilitation work was also performed at meter locations.

SP funded the system and facilitated all aspects of the comprehensive solution including procurement, installation, software integration for system use and customer billing, staff training, ongoing care of the system, and contracting with all vendors to complete the work.

Impact: By replacing the City's water infrastructure with modern, state-of-the-art technology, the City accomplished its goals to improve data with fast and accurate meter reads, timely billing of accounts to customers, improved customer service through meter data access, alerts, and alarms including leak detection of loss of pressure, and successful reduction of wasted water and non-revenue water.

Now, the Lake Charles administration has current and comprehensive data on both residential and business water usage, enabling a far more proactive and informed perspective of what is happening throughout the system. The new system also identified customers previously unrecorded in the system who had never received invoices for usage despite receiving water services.

"As we continue on the road to long-term recovery, the City of Lake Charles is working to harden infrastructure and improve the lives of our customers, creating a brighter and more resilient future for the residents of Lake Charles.

That's why the City of Lake Charles is making a proactive investment to replace current water meters with state-of-the-art smart meters to support our residential and commercial water customers.



Once the project is complete, the City of Lake Charles' use of smart meters will elevate our system to be one of the strongest and most resilient along the Gulf Coast." [Cityoflakescharles.com](https://www.cityoflakescharles.com)

Roosevelt County Water Cooperative, Inc. — Municipal District, 2022

Background: Roosevelt County Water Coop, Inc. is a local water utility in New Mexico. The Co-op is committed to providing safe, high quality water services to the community in its service area, while maintaining a standard of excellence in customer service and environmental conservation. In line with this mission, the Co-op sought a convenient and effective way to fund and implement a modern, comprehensive, and turnkey water infrastructure solution.

Challenge: The Cooperative's aging water infrastructure lacked real-time water usage data and leak detection capabilities. The Co-op needed a way to improve customer service with modern technology while also identifying an innovative capital funding mechanism to provide the utility new, accurate, and efficient residential and commercial smart water meters.

Project Description: Fund, procure, install, and maintain comprehensive turnkey advanced water meter infrastructure with necessary software and leak detection, integration to the current billing system, staff training, ongoing monitoring, and a plan for maintenance.

Impact: With the successful completion of its first project with Sustainability Partners, the Co-op now benefits from modern, state-of-the-art, and durable equipment. Without incurring any upfront costs, the Co-op was able to strategically reallocate capital improvement funds to other high priority needs. The Co-op has full use and control of a sustainable water system, offering real-time data that improves billing accuracy and customer service. The system also enables leak detection contributing to water conservation and the reduction of associated costs through the implementation of the new durable, modern, and highly efficient smart meters.

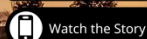
"I'll admit that I don't believe we have seen the full possibilities for our community yet. However, we are already able to help our members save on water loss and help us better educate them on water conservation, which is crucial in our area.

Our community is experiencing a severe drought and is causing our supplier to have trouble with their production wells. This is made possible by SP funding our meter change out project. We are able to notify our members sooner of leaks, which will help with overall water consumption. ... We purchase our water from the City of Portales, which makes our cost of water much higher than most utility systems, and the ability to locate leaks before they surface will help the Co-op not only save water but save money!

We decided to work with SP initially because of the convenience and lack of other funding opportunities, but once we started the project it became very clear that SP is a top-notch organization.

Without SP's help we would not have been able to move forward with this project without depleting all of our capital improvement funds. It will be my honor to recommend SP to any other water utility."

Ursula Parker, General Manager, Roosevelt County Water Co-op



TECHNICAL PROPOSAL

Multi-Environment Compatibility

Accomplishing NCTCOG's Goal #1 to provide a versatile water metering solution, the high quality and impressive functionality of Kamstrup water meters results in stable and reliable data reading in many different environments including urban and rural areas. The comprehensive AMI solutions can be customized to suit different environments, infrastructure types, and pipe configurations ensuring compatibility with residential, commercial, and industrial areas. Kamstrup has over 30 years of experience in the development of ultrasonic water meters. NCTCOG customers will benefit from market leading, high-quality AMI meters with extensive functionality.

By virtue of the meters' high measuring accuracy, the meter registers the exact consumption throughout the entire lifetime of the meters, with no accuracy loss, no loss of revenue, and a 20-year new meter accuracy warranty.

Our AMI solutions are tailored specifically to each customers' specific needs and conditions. Extremely low meter, register, radio, battery, and collector failure rates offer the lowest cost for AMI hardware maintenance. Ongoing operational expenses are reduced exponentially by low hardware failure rates coupled with a high percentage of hourly read rates.

The Kamstrup READY Collector infrastructure contains 3 primary components: The bottom box located at the base of the tower, the top box located near the top of the tower, and the antennas that are above the top box at the top of the tower. Each of these items are "plug and play" items and are easily changed out in the rare occasion of failure or damage.

The following are additional key benefits accomplishing NCTCOG's Goal #2 to implement advanced data management and integration that enables real-time, secure data access and integrates seamlessly with a variety of billing and customer service platforms:

Automatic Power Optimization: Kamstrup AMI meters within the network that have an optimum signal strength automatically adjust into a "whisper" mode so that meters located in more challenging environments can be heard by the collector(s). The meters auto adjust up or down as needed for the life of the meter without any additional programming. This is key because less collectors (resulting in less overall collector maintenance) are required to reach the optimum reading percentages. All meters are designed and built to operate for the life of the meter at the maximum output. Auto adjusting down could potentially lengthen the battery life even further.

Automatic Path Optimization: Each meter is designed to report directly to the collector where the radio frequency ("RF") signal strength is the greatest. The meters are not programmed to report to just one single collector, but instead a network of collectors within the infrastructure. This helps because if the customer has a collector failure for any reason, the meters that were reporting to the failed collector will automatically search out for a signal to another collector within the network. They will also auto adjust the radio output up to the highest level in order to reach the secondary collector if needed. The result is a higher reading performance with less network components during challenging situations.

Licensed Radio Band: The Kamstrup AMI network operates on an FCC licensed 450-470 MHz band radio frequency for reliable data collection with a proven RF technology that has been utilized for over 100 years. The customer owns the rights to the radio frequency, minimizing the effect of noise from other

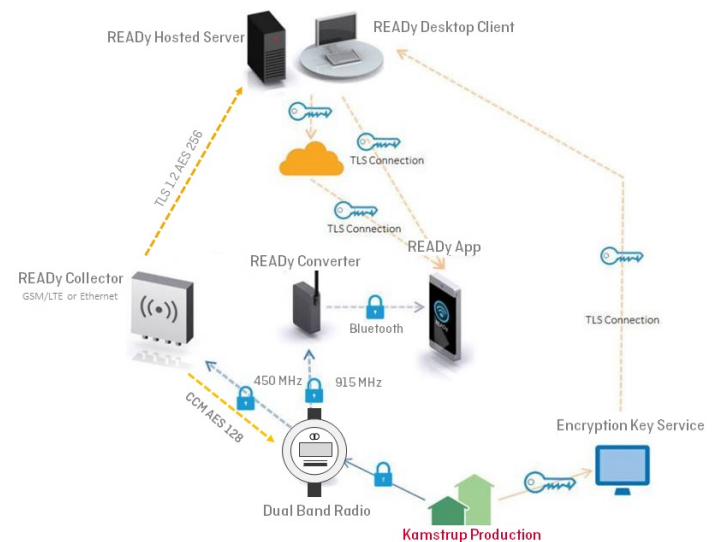
radio-emitting devices and ensures clear communication between the meter and data collectors. Kamstrup will obtain the initial 10-year FCC license for the customer with the customer's cooperation. The lower frequency (450-470MHz) is able to propagate greater distances and more effectively through vegetation, thereby reducing signal loss. This also takes advantage of cost savings through deployment of fewer collectors and/or repeaters to cover the service area. The collector data backhaul support Ethernet connection where available, or wireless cellular modem. Collector(s) connectivity may be verified in the MDM for "last check in" time. In addition, a customizable report containing % of hourly reads per selected period per route/group may be run to ensure system health throughout the network.

Fall Back AMR Reading: Kamstrup flowIQ dual band meters may be read in fallback drive – by mode at any time while programmed to transmit on the AMI frequency. In the case of collector failure of any kind, all meters within the customer's project scope will have the ability to be read in fallback mode without changing anything on the meter, and without any reprogramming of the meter. This reading is obtained through the standard READy App on a smart phone and will be no additional cost to the customer.

Hourly Consumption Data and Info Codes (Alarms): Hourly meter data is transmitted once every three hours. If the packet is not received by the head end, it will resend at the next scheduled interval for up to 24 hours. Readings may have a latency of up to three hours which normally will suffice for billing purposes and final readings. Two-way communication is utilized for configuration changes if required.

Priority Alarms are customizable, sent via email if selected, and are also available in the MDM. Standard configuration for the leak alarm is 2% of max flow for 24 hours, and the standard configuration for the burst alarm is 20% of max flow for 30 minutes. These may be customized to the needs of the customer. Additional standard alarms sent via AMI are Dry, Tamper, Reverse Flow, and Low battery. Data redundancy is fulfilled by collector placement as well as retransmission of missed packets for up to 24 hours.

A propagation study will be performed by Kamstrup to indicate ample room for the customer's growth without the addition of infrastructure. In the event collector backhaul is down, the data is stored for up to 30 days for 25,000 meters. The meters may also be read (AMR fallback readings) via drive by with the mobile app and Bluetooth converter. As a final layer of fallback protection, the meter data log stores 100 days of hourly readings and 460 days of daily readings. The data log can be retrieved either from the street via the mobile app and converter or directly from the meter via the optical eye.



READy Meter Transmission Unit ("MTU"): is a meter transmission unit that will be utilized to retrofit the customer's large encoded output meters. READy MTU, a part of Kamstrup's AMI solution, is easy to install in all operating environments and can be ordered pre-programmed from production allowing quick installation with a minimum of configuration. An LED indicates to the installer that READy MTU is operational before leaving the installation site. READy MTU captures hourly reads and reports them just like the flowIQ meters and can also be read via fallback AMR readings. The MTU is IP68 (submersible) certified.

AMI Data Encryption: The AMI system is protected at all component levels utilizing standard communication protocols such as TLS 1.2 AES 256 encryption from collector to the head end and CCM AES 128 encryption from the meter to the collector. All data transfers between mobile devices are encrypted and uses a secure TLS connection. Mobile devices use a unique token by scanning a QR code and can be revoked if the device is lost or stolen.

Kamstrup meters are designed and tested to AWWA C715 standards. Electronic test data can be supplied with all information requested. Kamstrup meters are designed to work up to 250 PSI without damage. Kamstrup flowIQ meter sizes 5/8" to 1" are warranted for 20 years and sizes 2" and above are warranted for 10 years.

Failure Rate: Kamstrup meters have a documented global failure rate of less than 0.5% with over 8.5 million ultrasonic meters shipped.

Our solution offers a great deal of customization yet with simple, user-friendly, near real-time data available to accomplish the NCTCOG's goals to:

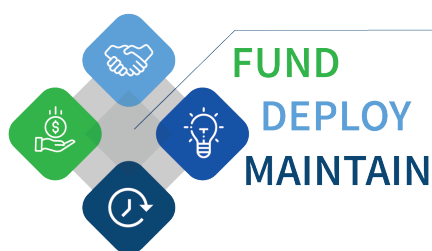
- Identify anomalies in water consumption that may indicate leaks or inefficiencies.
- Receive predictive maintenance recommendations to minimize downtime and repair costs.
- Enhance customer engagement by offering personalized usage reports and alerts based on individual consumption trends.

GUIDANCE WITH FEDERAL, STATE, AND LOCAL STANDARDS

Network Security Standard: The need for cybersecurity standards and best practices is imperative for advanced metering installations. It is vital that cities across the nation address interoperability, usability, and privacy. The National Institute of Standards and Technology (NIST) implements practical cybersecurity and privacy through outreach and effective application of standards and best practices.

Workplace Safety Standards: We take seriously our responsibility to offer a safe and healthful workplace. UMS complies with all applicable Occupational Safety and Health Association (OSHA) standards. All of our Field Service Managers in the field are OSHA 10 certified. In addition, each Field Service Manager is responsible for implementing site specific trainings to ensure that their workforce is compliant with local safety standards and policies. Field Service Managers meet with the safety representatives regularly to receive updates and training on health and safety matters.

UMS operates an accredited, state-of-the-art meter testing facility. Using a gravimetric system, we provide utilities, different authorities, and meter manufacturers with rapid, high-quality, accurate, and unbiased flow measurement assessments. With testing programs available for any meter type or brand, our facility is ideal for meter studies, research and development, and third-party dispute resolution.



**SUSTAINABLE
INFRASTRUCTURE**

Standardized Yet Customizable Data Integration

KAMSTRUP READy Meter Data Management ("MDM")

READy Manager is the PC software used to manage meter reads, info codes, and meter data. The simple and logical user interface uses a Home Screen as a starting point and uses icon-based navigation to access further features. This simple icon-based navigation makes the application extremely easy to use.

The application offers a multitude of features to make data handling easy. For example:

- Compatible with Window 10 or newer software
- Generic import functionality to import customer database
- Integration of reading data with utility billing software, including Incode Version 9
- Graphical visualization (bar graph) of hourly consumption data
- Printable consumption reports with custom date ranges and info codes (high/low consumption)
- Map view of Service Area and meter locations
- Automatic GIS mapping of meters based on address
- Customizable GIS mapping of meter locations on large parcels or in uncommon locations
- User-defined export formats for exporting reads to billing system
- Fully customizable meter groups
- Customizable meter districts
- Management of Mobile Reading Devices
- Info Code management and viewing
- Priority alarm notifications via email or text
- API available for integration with third party software

READy Manager offers easy verification of Data Collector health and connectivity. Additionally, the percentage of hourly reads received may be viewed for the entire District over the last day, week, month, or any customized timeframe.

Data Security is tested and proven to be safe. Kamstrup utilizes a Microsoft Azure data center in the U.S. and is covered by their disaster recovery procedures. All data is subject to an extensive backup strategy where all data is backed up on a nightly basis on a 14-day retention schedule. Backups are stored on appropriately and under conditions so that the environmental effect on the media is controlled. The backup is stored in a physically different location than the operating server.

The system uses multiple layers of security to limit breach points, logs all activities and role-based access. Cloud data is stored in an ISO27001 certified environment and follow backup and recovery procedures according to this regulation. In the event of a server failure, the system will be restored within 24 working hours within normal working hours. Recovery of data from backups is tested a minimum four times each year. This is documented in accordance with Kamstrup's ISO 27001 / 9001/ 14001 / 14025 certifications.

Acoustic Leak Detection (ALD)

Kamstrup's patented ALD solution not only provides the capability to detect customer side leaks, but Utility distribution side leaks on both service connections and main lines. The flowIQ 2200 meter is the only water meter on the market that can provide acoustic leak detection fully integrated into the ultrasonic design whereby no external hardware or installation is necessary. This eliminates many variables for additional costs both from hardware components, installation, maintenance or troubleshooting, and battery life (warranty).

Our ALD solution constantly monitors acoustic noise levels for 20 years directly through the water in lieu of externally mounted on the outside of the pipe or valve stem ensuring the lowest cost of ownership and highest ROI for a leak detection system over 20 years. Maximum value is realized when there is a permanent 24/7 monitoring solution for proactive versus other expensive and/or temporary lift and shift or even 3rd party surveying solutions. The meter records 26 noise values every day and is offset so that potential habitual interferences do not affect noise values such as pumps, lift stations, valves, etc. The lowest acoustic noise value is transmitted through the standard RF message without the need for additional hardware or infrastructure. This acoustic data is automatically transferred to a web-based separate hosted Leak Detection software platform where noise level trends will be stored, analyzed, and prioritized over time.

System Integration: Interface to Customer Information System (“CIS”)

Accurate data is one of the most important aspects of any mass meter change-out or technology upgrade. The value of a billing system lies not only in the data integrity it provides but also in its accessibility to the billing department. UMS takes a data-driven approach to metering integrations. In every installation, our dedicated systems integration team follows a 3-step process to guarantee data integrity.

1. Analyze

During pre-deployment, a thorough “data scrub” is conducted to ensure we have all the information we need to integrate installation data fully and accurately into the billing system. We work closely with your billing department and your vendors to define a mass meter changeout interface, used to send validated changeout data back into the billing system, eliminating the need for manual entry.

2. Normalize

Once the integrity of the data has been validated and mapped, we define the route-by-route scope of work plan. The routes are optimized to allow for minimal disruptions to existing billing and meter reading processes. Then, account data is uploaded into the handheld devices utilized by installation field crews. Installation teams proceed in route sequence order, verifying current data, collecting old meter data, and recording data for the new meter and transmitter.

3. Validate

New meter and transmitter data will not be uploaded into your utility billing system until it goes through a thorough multi-step data validation procedure. Twice a week, installations are evaluated by our data analysts to ensure that they were all performed correctly and are working properly.

Third-Party Software Implementation

Robust billing and customer information solutions are critical for utilities to collect, store, and process customer data, such as property location, service history, consumption, payment records, and other information relevant to utilities and cities. UMS has successfully managed the implementation of hundreds of solutions for utilities nationwide. We are a product- and vendor-independent firm, which allows us to focus on finding the best solution for individual needs. Our experienced and highly specialized integration team provides full, end-to-end programs, in addition to standalone services that assist utilities with implementing third-party software.



Configuration and Testing

UMS will work with vendors to develop thorough testing plans, including pertinent use cases and test scripts as well as a formal method for recording, compiling, and reporting the test results, as well as tracking through issue resolution. Based on the user acceptance criteria outlined in each Vendor contract and the requirements set forth by the Owner, UMS will work with the Vendors to supplement those plans as required.

The approach for validating all interfaces prior to installing meters and endpoints in the Initial Deployment Area will include three phases as follows:

1. **Functional Testing (“FT”)** (aka application testing): During Functional Testing, UMS will ensure that vendors have performed individual interface requirements specification testing.
2. **System Integration Testing (“SIT”)**: The main objective of System Integration Testing is to validate connectivity of field devices through the communications network to billing platform, as well as end-to-end integration from meter change out, to meter reading, through utility billing. UMS will document test cases for each system integration interface scenario and manage the end-to-end integration testing of all solution interfaces.
3. **User Acceptance Testing (“UAT”)**: Use cases and test cases will be co-developed by the customer and UMS to cover all potential AMI and CIS change-out scenarios. The customer will lead, with UMS’ guidance, “real world” testing that validates whether the system can support daily business operational and user requirements. Thorough UAT potential inconsistencies will be captured, and resolution will be facilitated. New and redesigned business processes may also be tested during UAT.

Planned Future Capabilities

Kamstrup is committed to innovation and continuously improving our solutions. We strive to maximize the value of data and analytics from our AMI and Leak Detection systems and transform data into useable insights that will empower our customers to gain full value from their investments. These insights are accomplished by tools that monitor and analyze data collection, performance, and infrastructure in the distribution grid. Kamstrup’s goal is to enhance network management, communication technologies such as NB-IoT and optimization capabilities including further development of features utilizing our two-way functionality.

Kamstrup is an innovative leader, proven by being a pioneer of ultrasonic metering since 1991, manufacturing over 8.5 million ultrasonic meters, **maintaining a global failure rate of less than 0.50%**, and recently introducing a patented first of its kind ultrasonic water meter with integrated acoustic leak detection. Through our leadership, our people, expertise, and passion for partnership, we always think forward in pursuit of a brighter and sustainable future; one that advances the performance of every customer, whilst creating lasting value for the communities they serve.

Kamstrup will also continue to build upon its history as a pioneer and innovation leader in ultrasonic metering technology by expanding our metering portfolio to cover larger commercial, industrial and district meter sizes (6” and above) with intelligent measurement solutions that deliver enhanced accuracy characteristics, lower total cost of ownership, and a stronger return-on-investment.

Kamstrup is constantly innovating, and year over year we are investing more than 12% of the total revenue back into research and development. Kamstrup is also extensively working towards lowering water loss and non-revenue water for utilities with acoustic leak detection capabilities and pressure management. In an effort to reduce non-revenue water, we are also investigating capabilities as being able to reduce unaccounted water through remote shut-off valves and proactive events that aim to let utilities react before it is too late.

As data become readily more available, it also becomes important to act and react to the correct things in a distribution network. Kamstrup is heavily investing in understanding what further capabilities can help utilities make the right decisions at the right time through either DMAs (District Metered Areas) or PMAs (Pressure Managed Areas) to gain control and transparency into the network.

Phased Implementation for Cooperative Scalability

Our proposal encompasses high quality, state-of-the-art technology and best-in-class installation partners capable of assessing, collaborating, and executing solutions customized to the specific needs of each customer. SP, along with its qualified partners, will collaborate with each customer to identify the best approach to each project and the unique needs of each customer.

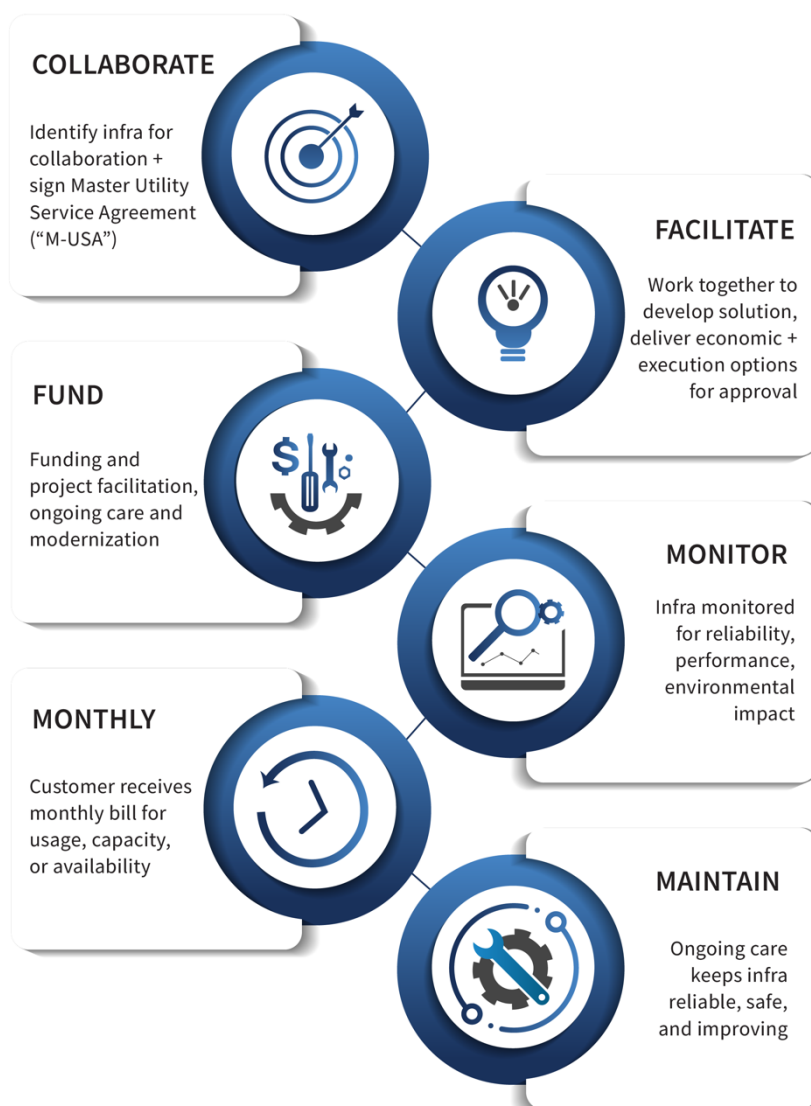
For NCTCOG customers, the approach will include identifying needs for funding, design, engineering, materials, equipment, local services, community involvement, installation, implementation; monitoring of all installed equipment, software, and technology; ongoing maintenance and any requested or needed upgrades; documentation, coordination, scheduling, testing, training; project management; disposal of old equipment; and any related or additional services.

The SP “as a service” offering is flexible and applicable to any and all assets, associated infrastructure, and services necessary to provide a holistic AMI solution.

With this cooperative, flexible and comprehensive approach, customers can be confident that their AMI solutions will be implemented with integrity and best business practices.

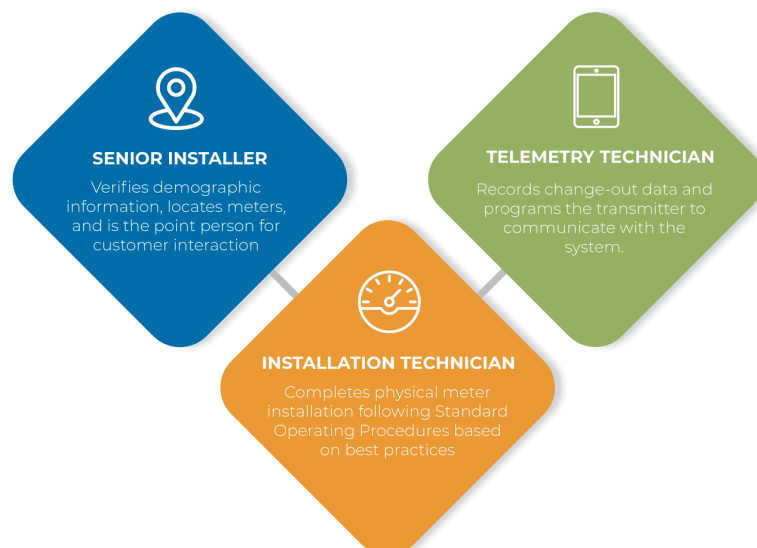
Our Approach

The following provides further insight on how our team will approach each AMI project.



Field Installation

Advanced Metering systems rely on many components to operate effectively. Therefore, the new AMI meters must be properly installed and integrated to ensure the system is receiving all the benefits of your new meters. AMI implementations can also impact many departments and agencies across the organization, therefore providing detailed communication, planning, budgeting, and project management is critical to the overall success of the AMI deployment.



To achieve maximum efficiency in the field, UMS utilizes blended crews to provide quality control, troubleshooting, and situational analyses. Each crew is led by a Field Service Manager and all UMS installers have at least 5-10 years of experience with meter installation. This depth of knowledge allows for nearly all scenarios to be handled in the moment.

From locating hard-to-reach meters to evaluating the age and condition of the hardware inside the meter box to operating in challenging meter site conditions, the UMS Field Services Team brings a level of expertise not found with other utility partners.

Installation Process

At the start of each installation, the UMS Field Services Team will turn off the water to your customer, evaluate the condition of the existing meter connections, remove the old meter from the waterline, install the new meter, turn the water back on and check for any leaks. In the case of a retrofit, the new register and/or transmitter will be installed on the current meter.

To ensure accurate billing, the UMS Field Services Team will also record key information, including outgoing and incoming meter serial numbers, characteristics, and reads. Our team will record, capture, and upload the information to an Xchange database.

- Before installing the meter and activating, the UMS Field Services Team will check the meter read, serial number, and key characteristics about the meter to ensure they are at the correct location.
- After the new meter is installed, the new meter endpoint will be



activated to allow the meter to connect to the network.

- We then connect the endpoint to the register's cable, installing an adapter cable if necessary, activate and program the endpoints with key information, and check for network connection.
- As with installing the meter, the UMS Field Services Team will record key information about the endpoint to ensure accurate billing.
- Once connected, an AMI meter will transmit reads at the frequency the customer requires.

UMS Project Manager

Technology upgrades are multifaceted and complex. To maximize benefits and reduce risk, they must be accompanied by a robust program management plan. UMS Program Management services ensure projects get completed according to the plan, achieved on time, and within budget. Our PMP®-certified Project Managers establish and maintain regular project communication and ensure performance is visible, measurable, and tracked. Our vetted processes and methodologies are the cornerstone of our services, and deliver successful, one-of-a-kind solutions—every time.

Program management will include the controls and oversight of the AMI implementation and network maintenance. The primary focus of this activity will be the routine monthly meetings. There will be a minimum of one formal progress report/meeting monthly. Our monthly report will include budget and schedule status, work performed in the last month, work planned for the next month, issues encountered, and decisions made for each task. For day-to-day data collection and collaboration with customer staff, the coordination will be a continuous effort until the work is complete.

The UMS team's project management plan will focus on communication as a key element so that work can proceed in a stepwise, cost-effective manner. Our depth of local staff makes it very easy to meet in person with customer personnel and other agencies, as necessary. Also, regularly scheduled progress meetings will be held to track the progress and quality of work for each customer project.

Close and effective communication will include monthly progress reports submitted with each invoice, monthly meetings with customer staff followed by formalized meeting minutes distributed to the customer/SP/UMS team, and weekly informal communications via telephone and email.

Effective scheduling and completion of tasks are project management essentials. UMS's policy requires task managers to develop detailed job schedules for their technical efforts. Project management teams then prepare a master schedule that integrates the various components for the total project including key milestones, task interrelationships, and staffing requirements if appropriate. The master schedule is followed by the team throughout the project.

Measuring Implementation Success

Our team is committed to the highest performance standards in the industry. We leave no stone unturned to ensure your new AMI meters support your billing process, are installed on time, and budget.



Additionally, UMS will:

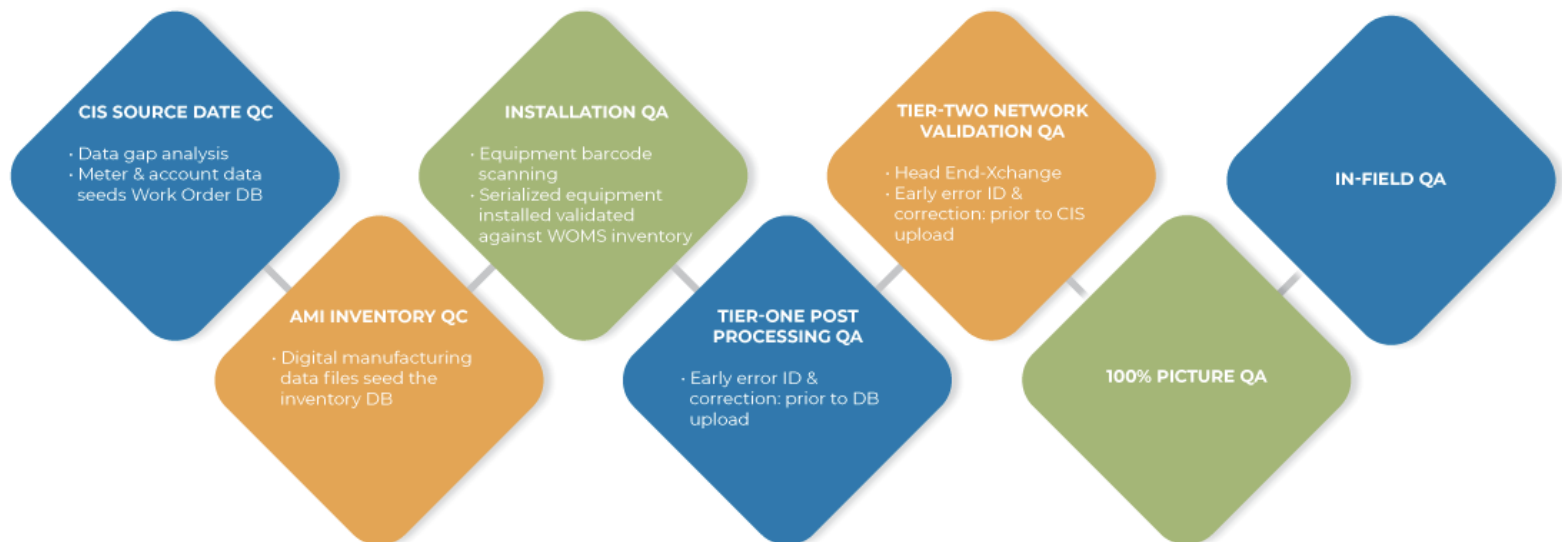
- Develop a detailed Deployment Plan to guide the AMI implementation
- Improve the speed and accuracy of implementation through effective project management
- Ensure new meters enable you to invoice your customers accurately and timely

Quality Assurance & Control

Projects will utilize UMS's standard Quality Management Plan to ensure a high-quality delivery of your AMI solution. Quality control is utilized across all aspects of the project including installation processes, auditing, data checking, training, and automated systems.

Quality Assurance/Quality Control (QA/QC) is no longer simply a matter of correctly installing a physical asset. AMI has introduced various new layers of complexity, and data quality is a critical success factor to a successful implementation.

UMS uses a multi-faceted, seven-step QA/QC approach, as outlined below:



Community Outreach Plan

Recognizing the importance of community involvement to minimize disruption, provide clear communication for residents, and initiate efficient processes for project success, UMS will use a dedicated public involvement team to serve as the main point of contact for informing the public and stakeholders.

The public outreach team will use a variety of programs to reach the utility's customers by creating custom outreach materials, such as videos that speak directly to the customer, social media campaigns that promote engagement, door hangers, and informative professional letters.

This outreach strategy will meet your customers at various points of engagement to ensure they are up-to-date on plans to provide them with superior service and better access to their usage information.

We work with the customer's public information officer to provide information, coordinate, and attend outreach activities as needed. Our goal is to establish a thorough public information program, in coordination with the customer, to ensure all public information-related requests by the customer and the community are being responded to promptly.

Public Outreach Plan

UMS will work with you to build a custom communication strategy to reach the public. Our team has extensive knowledge of the industry's best practices for communicating the program benefits to your customer base.

Below are examples of communication documents created for other similarly sized deployments:

- Customer Letter to make your customers aware of infrastructure changes. To be mailed before meter installation
- Postcard to provide a second notice of changes and update customers with timeline information. To be mailed before meter installation
- Door Hanger to inform customers about what has taken place. To be placed post-installation
- Bill Insert to apprise customers of any potential billing changes that may be encountered with the new system. To be mailed post-installation
- News Release to announce the implementation of the new system, along with a corresponding media relations campaign
- Custom Web Page to serve as an information portal for customers. To be published before installation, and should be linked to from utility's website
- Photos of new products to include in public outreach materials and on the web page
- Social Media templates to engage citizens
- FAQs to prepare your staff to answer questions about the installation

Door Hanger Examples:



Social Media Outreach Examples:



Appointment Scheduling & Customer Support

UMS is committed to NCTCOG customers and their communities, which is why we provide tools and resources for residents to communicate with us directly about the work being done in and around their homes. In the case of inside meter sets, UMS has a 24-hour online scheduling service. Appointments generally take place between 8:00a.m.-5:00p.m., Monday-Friday. Evening and weekend appointments may also be available upon request. The Client Services Center is our 24/7 support center available to ask questions, provide aid, and report issues

Maintenance, Repair, & Meter Replacement Support

Sustainability Partners Metering as a Service (MaaS) includes maintenance and ongoing services to track, resolve, and remediate issues related to the AMI System, Acoustic Leak Detection, Meter Assets, and Meter Reading related troubleshooting activities through mutually approved vendors. Optional services can be provided for ancillary water related infrastructure.

Scope of Services:

1. Return Merchandise Authorization Process:

- SP will manage warranty issues for faulty units, obtaining Return Material Authorization (RMA) from manufacturers and coordinating with onsite staff for replacements.
- SP will submit any warranty claims to the manufacturer for review and handle all correspondence with the manufacturer throughout the RMA process.
- SP will supply the new replacement meters and will configure new replacement meters prior to shipment.
- SP will coordinate the delivery and installation of the new replacement meter(s).

2. AMI Meter Maintenance Support Overview:

- Onsite field activities will be scheduled in advance each month.
- Maintenance and troubleshooting will start after seven consecutive days of a meter not reporting to the READy network. Mutually approved vendors can conduct onsite field activities.

3. Meter Asset Maintenance:

- SP will manage the repair or replacement of AMI meters and transmitters, under warranty.
- SP will manage the maintenance, servicing, and replacement of Kamstrup AMI Collectors that are damaged or have warranty-related issues.
- Maintenance does not include the repair or replacement of customer-damaged meters. Line-item pricing for customer repair meters, out-of-scope hourly rates, and equipment is provided in advance.
- When meters are damaged by a customer, SP will remove the damaged meter and replace it with a new meter pursuant to the Master Utility Service Agreement.

4. Meter Types:

- Covers residential and commercial meters, from small to large sizes.
- Only includes AMI meters and transmitters.
- Refers to meters installed outdoors or indoors that can be accessed through standard means. Excludes permit-required and rescue entry extraction confined spaces.

5. Exclusions:

- Repairs unrelated to the AMI asset within the meter box or vault.
- Residential or commercial plumbing work beyond the meter spud and box setting.
- Customer side isolation valves located within the utilities meter pit/vault, or in a separate valve box outside of the meter pit.

PROPOSAL PRICING

SP utilizes a usage-based utility-like model for services that is designed to minimize customer risk and costs. Developing usage rates involves consultation with the project's vendors, as well as collaboration with the customer to reach an agreed upon rate that satisfies both parties. Usage rates vary depending upon: (1) manufacturer; (2) type of meter; (3) size of meter; (3) quantity of the meters needed; (4) customer software needs; and (5) additional support needs.

There is zero upfront cost to our customers. Upon SP identifying a specific customer and scope of work, SP will provide a Service Addendum with the specific usage rates for the customer's review and approval.

Transparent Rate Structure – SP is motivated to design, engineer, procure, install, fund, and maintain essential infrastructure to deliver the lowest monthly cost. SP has a well-defined rate structure with no capital constraints, funding itself through monthly asset usage. SP does not add a markup or upcharge on any of the design, engineering, equipment, installation, project management or capital source.

Reinforcing SP's commitment to transparency, SP provides all customers continuous browser-based access to audit their project transactional data. This includes the G/L detail entries, vendor source documents, cash usage bids, and billings all through a top tier, 24x7, 3rd party cloud portal. When assets are modernized, the customer will achieve significant cost savings as old, unreliable, and costly infrastructure is replaced with state-of-the-art and robustly engineered new assets.

Cost Efficiency – Achieving NCTCOG's Goal #3 to achieve cost-effective and scalable implementation, SP's model is extremely flexible and cost-effective. As a Public Benefit Company, SP partners with customers to achieve their goals and help them expedite the adoption of modern, robustly-engineered, durable, and sustainable essential. Infrastructure. To accomplish this, SP utilizes a usage-based pricing model for services. This structure is similar to the familiar electric/water/gas utility model in which monthly fees are based on usage.

The Usage Fee structure defines charges, fees, and fee-basis associated with services delivered by SP. SP owns the assets, having no UCC Financing filings on them, and charges the customer for the use of those assets (i.e., water meters) at the agreed upon predetermined fee rate.

Once SP has been selected, the specific assets, associated services, and associated Usage Fee will be specified through a Service Addendum to SP's Master Utility Service Agreement ("M-USA") with the customer.

Generally, SP includes a contingency amount of around 3% to 5% of the project costs in the initial service addendum usage rates. The contingency funds can be used to cover the costs of unexpected changes in project scope, vendor materials or installation needs, timing delays, or other unanticipated project needs. At project completion and certificate of acceptance, any unused contingency is removed from the project cost, the usage rates are adjusted, and the monthly payment is reduced.

SP's model enables on or off-balance sheet optionality. This is a way to remove financial burden from the customer's balance sheet that does not impact bonding capacity. Furthermore, the selections can be made on a per project basis shortly before a Notice to Proceed is issued. In other words, SP's funding source is in the complete and full control of the and is devoid of intermediaries.

Once an initial design is agreed upon, SP in collaboration with the customer, will also determine how to build reserves for replacements and maintenance as well as the best metrics to base usage for an optimal solution to the customer's ongoing needs.

SP's utilization underwriting process involves a multi-layered approach that can differ project to project. The following steps provide insight on variables taken into account to determine the monthly payment:

- Identify total costs of asset procurement, installation, engineering, permitting, taxes, project management, and other related costs;
- Estimate asset's expected useful life, costs for maintenance, monitoring, reporting and upgrades;
- Identify customer requirements for termination and support provided from vendors;
- Perform risk analysis of assets, installation, vendors, warranty, performance capacity, customer; and
- Evaluate the customer's current credit ratings.

Evaluating these variables and risks enables SP to operate in the best interests of our customer partner, providing a cost effective and appropriate usage rate.

Scalable Implementation & Long-term Partnership

SP is built on the ability to scale infrastructure for the growing needs and requests of our customers. SP is committed to high quality, long-lasting solutions, period.

When developing solutions, SP makes recommendations based on our desire to provide robustly engineered, best-in-class solutions for the long-term benefit of our customer partners. We have observed that high quality solutions lead to less burdens and fewer headaches due to failing assets, lower costs over the long-term, plus less unexpected downtime and emergency maintenance crises. Additionally, future proofing designs with scalable flexibility in mind is key.

In order for customers to retain flexibility to accommodate the special needs of each project with an easily repeatable process for new needs, SP's contractual structure establishes a master agreement, the M-USA, between SP and its customers and then uses a two to three page addendum (a "Service Addendum") to define each project's scope and economics.

SP's agreement is a month-to-month usage-based contract that allows the customer to terminate at any time with 30 days' notice and without penalties. However, SP's goal is to build long-term trusted partnerships with government agencies to advance their sustainable infrastructure, achieve their sustainability goals, and benefit their communities and future generations. We're committed to building lasting 100-year partnerships.

Please refer to attached Exhibits 1 & 2 (Excel Files).



OUR VALUE ADD

Month to Month – SP’s structure is a month-to-month usage-based agreement with the ability to cancel with 30 days’ notice, without penalties. SP provides Infrastructure as a Service® (IaaS) through a standardized Master Utility Services Agreement (“M-USA”) for all of its projects. Our model removes financial burdens of assets and depreciation from the customer’s balance sheet without impacting the bonding capacity and frees up capital for other uses including mission critical initiatives.

Highest Quality – SP eliminates deferred maintenance and upgrades, not just installing or replacing equipment but modernizing and optimizing with robustly engineered solutions rather than the typical low-cost, value engineered options.

Speed – By design, SP executes projects with speed, using only the highest quality equipment, materials, and vendors, and our own capital, which accelerates completion and mitigates risk.

No Markup – SP does not add any markup or profit margin to the equipment or services we provide, and we use a fully transparent accounting structure, ensuring the customer receives the lowest total cost of usage compared to other structures. We remain flexible to incorporate available grants, credits and subsidies, to lower the overall cost and reduce the use fee.

Risk Management – The SP structure mitigates many of the risks to the customer. Owning problematic infrastructure frequently leads to underfunded budgets, emergency repairs, shutdowns, lawsuits, environmental damage, and political discourse. With SP’s Infrastructure as a Service®, the customer is in safe control of its essential services. SP is strictly cost plus, open book, and responsible stewards of assets. By design, our partnership with the customer is comprehensive with fully aligned interests.

SP also mitigates operational risks by using robust engineering practices and the most advanced and proven systems technologies. Utilizing software to manage and optimize water resources and leak detection will undoubtedly improve the customer’s water revenues, reduce workload for staff, lead to fewer instances of public complaints, and decrease occurrences of estimated billing.

Uptime – Once operational, each of the units and systems benefit from all vendors, manufacturer, and other warranties, as well as cloud-based monitoring systems to identify any anomalies or problems before damage or downtime occurs. The customer also benefits from any extended warranties offered on account of SP’s national buying status. Additionally, the increased uptime and IoT smart technology assets provided enable the customer to identify new ways to optimize its water infrastructure, further improving accuracy, efficiencies, performance, and reducing unrealized water revenues and waste.

Focus on Maintenance and Upgrades – From project inception to completion and thereafter, SP facilitates and monitors warranties, tracks ongoing maintenance of assets to keep them in a continual state of good repair for high performance and reliability, and initiates upgrades as necessary.

Flexible Changes – SP believes it is important for the Customer to retain flexibility to accommodate the special needs of each project. SP’s contractual structure establishes a master agreement, the Master Utility Services Agreement (“M-USA”), between SP and the Customer and then uses a two-to-three-page addendum (a “Service Addendum”) to define each project’s scope and economics.

Simple Process – To use SP services, the Customer simply signs the Service Addendum which identifies all the specifics of the project including the monthly usage charge. Upon confirmation, the Customer

executes the Notice to Proceed (“NtP”). The comprehensive AMI water meter infrastructure solution is funded by SP and the project commences. After signing a Certificate of Acceptance (“CoA”), the Customer then begins using the AMI infrastructure with SP billing monthly for the pre-agreed upon usage rates. SP facilitates ongoing monitoring, maintenance, replacements, and upgrades.

Full Service Provision – In collaboration with our highly qualified team and any additional local vendor partners, SP offers a well-rounded team committed to serving and successfully fulfilling the water infrastructure needs (or any other critical infrastructure needs) of the Customer. All of the services provided will be through SP’s Master Goods and Services Agreement with each of the other Proposers. SP will work collaboratively with Kamstrup and UMS to perform the following:

- Water meters equipped with AMI meter interface units (MIUs) to replace all existing residential water meters,
- Installation of new meters and MIUs,
- An AMI network to transport meter readings, alerts/alarms and other information collected and transmitted by the MIUs to the AMI Head-end Software),
- AMI HES, Meter Data Management Software (MDMS) and Customer Portal (if required) to collect, store, manage, report and present the meter data collected through the AMI network,
- The design, installation and testing of information interfaces between the AMI system’s software components and the Customer’s customer information system (CIS) and/or billing system,
- Handheld devices and software necessary to program and/or initialize the MIUs and collect installation data,
- All related documentation, including technical manuals and operating procedures,
- Training of the Customer’s employees in MIU installation, maintenance, diagnosis and troubleshooting, as well as system use, operation and maintenance,
- Shipping and managing the inventory of AMI equipment during the course of project deployment,
- Where appropriate, installation of fixed data collection units, including the communications links between those collection units and the HES,
- Provision of all necessary radio licenses, firmware, third party software or operating systems to ensure a complete and working system,
- Satisfactory testing of all software, hardware, and procedures prior to the deployment of the system,
- Coordination, scheduling, communications and documentation of all installation services,
- Project management to ensure all products and services are coordinated,
- Disposal of old meter reading equipment including touchpads and AMI MIUs, as appropriate,
- Salvage of old meters and meter box lids, as appropriate.



REQUIRED ATTACHMENT CHECKLIST

Please utilize this checklist to ensure that all required attachments are included with your proposal. IF AN ATTACHMENT DOES NOT APPLY, PLEASE MARK AS “**NOT APPLICABLE**” AND SUBMIT WITH THE PROPOSAL. FAILURE TO SUBMIT **ALL REQUIRED DOCUMENTS** MAY NEGATIVELY IMPACT YOUR EVALUATION SCORE.

- ☐ Page 1 - Cover Sheet
- ☐ Page 21 - Attachment I: Instructions for Proposals Compliance and Submittal
- ☐ Page 22 - Attachment II: Certification of Offeror
- ☐ Page 23 - Attachment III: Certification Regarding Debarment
- ☐ Page 24 - Attachment IV: Restrictions on Lobbying
- ☐ Page 26 - Attachment V: Drug-Free Workplace Certification
- ☐ Page 27 - Attachment VI: Certification Regarding Disclosure of Conflict of Interest
- ☐ Page 30 - Attachment VII: Certification of Fair Business Practices
- ☐ Page 31 - Attachment VIII: Certification of Good Standing Texas Corporate Franchise Tax Certification
- ☐ Page 32 - Attachment IX: Historically Underutilized Businesses
- ☐ Page 33 - Attachment X: Federal and State of Texas Required Procurement Provisions
- ☐ Page 36 - Exhibit 1: Pricing Proposal
- ☐ Page 38 - Exhibit 2: Sample Market Basket Form
- ☐ Page 39 – Exhibit 3: Service Area Designation Forms

Respondent recognizes that all proposals must be submitted electronically through [Public Purchase](#) by the RFP due date and time. All other forms of submissions will be deemed nonresponsive and will not be opened or considered.

**ATTACHMENT I: INSTRUCTIONS
FOR PROPOSALS COMPLIANCE AND SUBMITTAL**

Compliance with the Solicitation

Submissions must be in strict compliance with this solicitation. Failure to comply with all provisions of the solicitation may result in disqualification.

Compliance with the NCTCOG Standard Terms and Conditions

By signing its submission, Offeror acknowledges that it has read, understands and agrees to comply with the NCTCOG standard terms and conditions except those that conflict with its standard Master Utility Service Agreement ("M-USA").

Acknowledgment of Insurance Requirements

By signing its submission, Offeror acknowledges that it has read and understands the insurance requirements for the submission. Offeror also understands that the evidence of required insurance must be submitted within ten (10) working days following notification of its offer being accepted; otherwise, NCTCOG may rescind its acceptance of the Offeror's proposals. The insurance requirements are outlined in the [NCTCOG Procurement Standard Terms and Conditions](#).

Name of Organization/Contractor(s): _____

Signature of Authorized Representative:

 _____

Date: _____

ATTACHMENT II: CERTIFICATIONS OF OFFEROR

I hereby certify that the information contained in this proposal and any attachments is true and correct and may be viewed as an accurate representation of proposed services to be provided by this organization. I certify that no employee, board member, or agent of the North Central Texas Council of Governments has assisted in the preparation of this proposal. I acknowledge that I have read and understand the requirements and provisions of the solicitation and that the organization will comply with the regulations and other applicable local, state, and federal regulations and directives in the implementation of this contract.

I also certify that I have read and understood all sections of this solicitation and will comply with all the terms and conditions as stated other than those that conflict with our standard Master Utility Service Agreement ("M-USA"); and furthermore that I, Adam Cain (typed or printed name) certify that I am the President (title) of the corporation, partnership, or sole proprietorship, or other eligible entity named as offeror and respondent herein and that I am legally authorized to sign this offer and to submit it to the North Central Texas Council of Governments, on behalf of said offeror by authority of its governing body.

Name of Organization/Contractor(s):

Signature of Authorized Representative:



Date: _____

**ATTACHMENT III: CERTIFICATION
REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS**

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;
2. Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;
3. Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,
4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

Name of Organization/Contractor(s):

Signature of Authorized Representative:



Date: _____

ATTACHMENT IV: RESTRICTIONS ON LOBBYING

Section 319 of Public Law 101-121 prohibits recipients of federal contracts, grants, and loans exceeding \$100,000 at any tier under a federal contract from using appropriated funds for lobbying the Executive or Legislative Branches of the federal government in connection with a specific contract, grant, or loan. Section 319 also requires each person who requests or receives a federal contract or grant in excess of \$100,000 to disclose lobbying.

No appropriated funds may be expended by the recipient of a federal contract, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal executive department or agency as well as any independent regulatory commission or government corporation, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered federal actions: the awarding of any federal contract, the making of any federal grant, the making of any federal loan the entering into of any cooperative agreement and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

As a recipient of a federal grant exceeding \$100,000, NCTCOG requires its subcontractors of that grant to file a certification, set forth in Appendix B.1, that neither the agency nor its employees have made, or will make, any payment prohibited by the preceding paragraph.

Subcontractors are also required to file with NCTCOG a disclosure form, set forth in Appendix B.2, if the subcontractor or its employees have made or have agreed to make any payment using nonappropriated funds (to include profits from any federal action), which would be prohibited if paid for with appropriated funds.

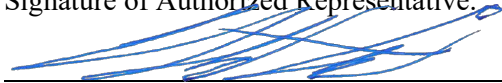
**LOBBYING CERTIFICATION
FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS**

The undersigned certifies, to the best of his or her knowledge or belief, that:

1. No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative contract; and
2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, and or cooperative contract, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying”, in accordance with the instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers and that all sub-recipients shall certify accordingly.

Name of Organization/Contractor(s):

Signature of Authorized Representative:



Date: _____

ATTACHMENT V: DRUG-FREE WORKPLACE CERTIFICATION

The _____ (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the _____ (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor's policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor's policy Proposal;

Notifying the employees in the subcontractor's policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statute in the workplace;

Notifying the Board within ten (10) days of the subcontractor's receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statute or requires such employee to participate in a drug abuse assistance or rehabilitation program.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

_____

Date: _____

ATTACHMENT VI: DISCLOSURE OF CONFLICT OF INTEREST
CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST

The undersigned certifies that, to the best of his or her knowledge or belief, that:

“No employee of the contractor, no member of the contractor’s governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the North Central Texas Council of Governments, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the NCTCOG, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the NCTCOG shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents”.

No officer, employee or paid consultant of the contractor is a member of the NCTCOG.

No officer, manager or paid consultant of the contractor is married to a member of the NCTCOG.

No member of NCTCOG directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

No member of the NCTCOG receives compensation from the contractor for lobbying activities as defined in Chapter 305 of the Texas Government Code.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the North Central Texas Council of Governments any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the NCTCOG as it relates to this contract.

Name of Organization/Contractor(s):

Signature of Authorized Representative:



Date: _____

CONFLICT OF INTEREST QUESTIONNAIRE
For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☐ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 N/A

1/10/2025

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

- (a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;

or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.

ATTACHMENT VII: CERTIFICATION OF FAIR BUSINESS PRACTICES

That the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

Name of Organization/Contractor(s):

Signature of Authorized Representative:



Date: _____

**ATTACHMENT VIII: CERTIFICATION OF GOOD STANDING
TEXAS CORPORATE FRANCHISE TAX CERTIFICATION**

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

Indicate the certification that applies to your corporation:

_____ The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.

_____ The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

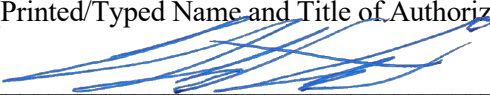
Type of Business (if **not corporation**): ☐ Sole Proprietor

 ☐ Partnership

 ☐ Other

Pursuant to Article 2.45, Texas Business Corporation Act, the North Central Texas Council of Governments reserves the right to request information regarding state franchise tax payments.

(Printed/Typed Name and Title of Authorized Representative)



Signature

Date: _____

**ATTACHMENT IX: HISTORICALLY UNDERUTILIZED BUSINESSES,
MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES**

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process.

NCTCOG recognizes the certifications of most agencies. HUB vendors must submit a copy of their certification for consideration during the evaluation of their proposal. Please attach the copy to this form. This applies only to the Offeror and not a subcontractor.

Texas vendors who are not currently certified are encouraged to contact either the Texas United Certification Program, State of Texas HUB Program, or the North Central Texas Regional Certification Agency, among others. Contact:

State of Texas HUB Program
Texas Comptroller of Public Accounts
Lyndon B. Johnson State Office Building
111 East 17th Street
Austin, Texas 78774
(512) 463-6958
<http://www.window.state.tx.us/procurement/prog/hub/>

North Central Texas Regional Certification Agency
624 Six Flags Drive, Suite 100
Arlington, TX 76011
(817) 640-0606
<http://www.nctrca.org/certification.html>

Texas United Certification Program
USDOT website at
<https://www.transportation.gov/DBE>

You must include a copy of your certification document as part of this solicitation to receive points in the evaluation.

Vendor to Sign Below to Attest to Validity of Certification:

Vendor Name

Authorized Signature

Typed Name

Date

☐ Not applicable.

**ATTACHMENT X: NCTCOG FEDERAL AND STATE OF TEXAS
REQUIRED PROCUREMENT PROVISIONS**

The following provisions are mandated by Federal and/or State of Texas law. Failure to certify to the following will result in disqualification of consideration for contract. Entities or agencies that are not able to comply with the following will be ineligible for consideration of contract award.

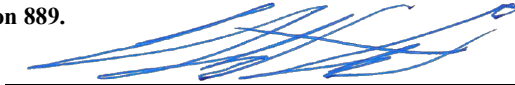
**PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
CERTIFICATION**

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment. Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g., phones, internet, video surveillance, cloud servers) include the following:

- A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
- B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
- C) Telecommunications or video surveillance services used by such entities or using such equipment.
- D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country. The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

☐ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:



NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries.

TLGC chapter 2274, Subtitle F, Title 10, identifies that “discrimination against a firearm entity or firearm trade association” includes the following:

- A) means, with respect to the entity or association, to:
- I. refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; and
 - II. refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or
 - III. terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association.
- B) An exception to this provision excludes the following:
- I. contracts with a sole-source provider; or
 - II. the government entity does not receive bids from companies who can provide written verification.

The entity identified below, through its authorized representative, hereby certifies that they have no practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and that they will not discriminate during the term of the contract against a firearm entity or firearm trade association as prohibited by Chapter 2274, Subtitle F, Title 10 of the Texas Local Government Code.

☐ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 2274, Subtitle F, Title 10.

**SIGNATURE OF AUTHORIZED
PERSON:**



NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 2274, Subtitle F, Title 10.

**SIGNATURE OF AUTHORIZED
PERSON:**

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

BOYCOTTING OF CERTAIN ENERGY COMPANIES

This contract is subject to the Texas Local Government Code chapter 809, Subtitle A, Title 8, prohibiting contracts with companies who boycott certain energy companies.

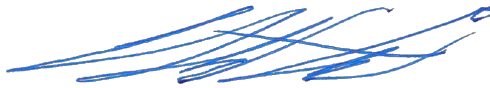
TLGC chapter Code chapter 809, Subtitle A, Title 8, identifies that “boycott energy company” means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

- I. engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; and
- II. does business with a company described by paragraph (I).

The entity identified below, through its authorized representative, hereby certifies that they do not boycott energy companies, and that they will not boycott energy companies during the term of the contract as prohibited by Chapter 809, Subtitle A, Title 8 of the Texas Local Government Code.

☐ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:



NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

EXHIBIT 1: CATEGORIES OFFERED AND PRICING PROPOSAL

Place a checkmark next to each category you are offering in your proposal:

_____ Service Category #1: Water Utility Equipment, Products, and Supplies

_____ Service Category #2: Installation and Repair Services

_____ Service Category #3: Professional Services

_____ Service Category #4: Ancillary Goods and/or Services (List Below)

Infrastructure as a Service® for essential infrastructure including, but not limited to, clean water and wastewater treatment systems, microgrids, electric vehicles & charging infrastructure, HVAC, pumps, pipes, LED lighting, building efficiencies, etc.

(fund, deploy, maintain and upgrades for essential services)

Pricing Proposal

Respondents are required to submit a comprehensive pricing proposal that outlines their approach to addressing the project goals, key challenges, and minimum solution requirements outlined below. The proposal should not only reflect the costs associated with the proposed water metering solutions but also demonstrate flexibility and innovation in addressing the diverse needs of TXShare's member entities.

Project Goals and Desired Outcomes:

The water meter replacement project is designed to achieve the following key goals shared by TXShare members. Vendors are encouraged to propose solutions that effectively tackle these goals:

1. Versatile Water Metering Solution:

Propose a customizable metering system compatible with various environments and infrastructure types across TXShare's member entities.

2. Advanced Data Management and Integration:

Provide a system that supports real-time data access and integrates seamlessly with various billing and customer service platforms, including AMR and AMI capabilities. Please include the names of the billing and customer service platforms your system is compatible with.

3. Cost-Effective and Scalable Implementation:

Present a pricing model that supports phased implementation, allowing flexibility for entities of different sizes and financial capacities.

Key Challenges to Address:

Respondents should directly address the following challenges in their proposals:

1. Multi-Environment Compatibility:

Detail how your proposed solution will function across diverse installation conditions, ensuring compliance with regional standards.

2. Standardized Yet Customizable Data Integration:

Describe how your data management system will provide standard functionalities while allowing for the unique integration needs of each member entity.

3. Phased Implementation for Cooperative Scalability:

Outline a flexible implementation plan that facilitates phased rollouts, minimizes disruption, and includes strategies for communication and onboarding.

4. Cost Efficiency and Shared Resource Management:

Explain your cooperative pricing discount and financing model, emphasizing cost savings and tiered pricing for varying implementation scales.

5. AI-Driven Analytics and Predictive Insights:

Discuss the capabilities of your AI-based analytics platform in enhancing decision-making, identifying anomalies, and improving customer engagement.

Minimum Solution Requirements:

Proposals must also meet the following minimum requirements:

- 1. Compatibility:** Support various communication technologies to accommodate different technical conditions across TXShare members.
- 2. Pricing Structure:** Offer a cooperative discount pricing model with tiered pricing and flexible financing options tailored to implementation phases.
- 3. Data System and Security:** Ensure robust security measures for data protection and compliance across jurisdictions.
- 4. Maintenance and Support:** Provide comprehensive maintenance and support services, including system monitoring and technical support.
- 5. Performance Guarantee and Warranty:** Offer warranties that cover all major components of the AMI system for long-term reliability.
- 6. Customer Engagement:** Include a customer portal with tools for usage monitoring, alerts, and engagement features.
- 7. Training:** Present a training and support plan for smooth implementation and ongoing operation.
- 8. Scalability:** Ensure the solution can scale for future growth in meters and data volume.
- 9. Data Analytics and Reporting:** Incorporate advanced analytics capabilities for actionable insights.
- 10. Disaster Recovery and Business Continuity:** Include robust plans to maintain operational continuity during emergencies.

Catalog Pricing for Products & Services:

Responding Offerors are requested to submit a proposal that will contain a schedule of products and / or service lines that would qualify under Section 5.0 of these specifications. This schedule is commonly referred to as a “catalog”.

Catalogs contain a range of items that are published in either an electronic or hard copy form and are modified from time to time to reflect internal and external changes in the vendor’s marketplace. It is at the vendor’s discretion to propose any limitations of the goods or services offered. A good or service offered must be listed in the catalog to be eligible for sale through the awarded contract.

Catalogs are to be submitted with the proposal and may be provided electronically using either a PDF document or web link. Use a spreadsheet or a searchable document containing the pricing information. A physically delivered hard copy of the catalog is NOT acceptable.

Catalogs may be priced with a percentage discount or a fixed unit price. Pricing may be one or multiple tiers of varying discounts based on purchase quantity. The discount should be applicable to both the initial purchase and any subsequent orders under the terms of this agreement.

The Respondent should clearly outline:

1. The percentage discount off the catalog list price for each category of products and / or services.
2. Any pricing tiers or volume-based discount thresholds.

Refer to Exhibit 1 – Proposal Price Excel Worksheet Attachment for completion.

EXHIBIT 2: SAMPLE MARKET BASKET FORM

This form will be utilized to assess each Respondent's 'best value' beyond simple percentage discounts and will play a key role in scoring your proposed pricing.

Please refer to Exhibit 2: Sample Market Basket Form Attachment for completion.

EXHIBIT 3: SERVICE DESIGNATION AREAS

Texas Service Area Designation or Identification			
Proposing Firm Name:			
Notes:	Indicate in the appropriate box whether you are proposing to service the entire state of Texas		
	Will service the entire state of Texas	Will not service the entire state of Texas	
	If you are not proposing to service the entire state of Texas, designate on the form below the regions that you are proposing to provide goods and/or services to. By designating a region or regions, you are certifying that you are willing and able to provide the proposed goods and services.		
Item	Region	Metropolitan Statistical Areas	Designated Service Area
1.	North Central Texas	16 counties in the Dallas-Fort Worth Metropolitan area	
2.	High Plains	Amarillo Lubbock	
3.	Northwest	Abilene Wichita Falls	
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler	
5.	Southeast	Beaumont-Port Arthur	
6.	Gulf Coast	Houston-The Woodlands-Sugar Land	
7.	Central Texas	College Station-Bryan Killeen-Temple Waco	
8.	Capital Texas	Austin-Round Rock	
9.	Alamo	San Antonio-New Braunfels Victoria	
10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission	
11.	West Texas	Midland Odessa San Angelo	
12.	Upper Rio Grande	El Paso	

(Exhibit 3 continued on next page)

Nationwide Service Area Designation or Identification Form			
Proposing Firm Name:			
Notes: SP's staff is increasing so add'l areas are anticipated to open in the next two years.	Indicate in the appropriate box whether you are proposing to provide service to all Fifty (50) States.		
	Will service all fifty (50) states		Will not service fifty (50) states
	If you are not proposing to service to all fifty (50) states, then designate on the form below the states that you will provide service to. By designating a state or states, you are certifying that you are willing and able to provide the proposed goods and services in those states. If you are only proposing to service a specific region, metropolitan statistical area (MSA), or City in a State, then indicate as such in the appropriate column box.		
Item	State	Region/MSA/City (write "ALL" if proposing to service entire state)	Designated as a Service Area
1.	Alabama		
2.	Alaska		
3.	Arizona		
4.	Arkansas		
5.	California		
6.	Colorado		
7.	Connecticut		
8.	Delaware		
9.	Florida		
10.	Georgia		
11.	Hawaii		
12.	Idaho		
13.	Illinois		
14.	Indiana		
15.	Iowa		
16.	Kansas		
17.	Kentucky		
18.	Louisiana		
19.	Maine		
20.	Maryland		

21.	Massachusetts		
22.	Michigan		
23.	Minnesota		
24.	Mississippi		ALL
25.	Missouri		ALL
26.	Montana		
27.	Nebraska		
28.	Nevada		ALL
29.	New Hampshire		
30.	New Jersey		ALL
31.	New Mexico		ALL
32.	New York		ALL
33.	North Carolina		ALL
34.	North Dakota		
35.	Ohio		ALL
36.	Oregon		ALL
37.	Oklahoma		ALL
38.	Pennsylvania		ALL
39.	Rhode Island		
40.	South Carolina		ALL
41.	South Dakota		
42.	Tennessee		ALL
43.	Texas		ALL
44.	Utah		ALL
45.	Vermont		
46.	Virginia		ALL
47.	Washington		ALL
48.	West Virginia		ALL
49.	Wisconsin		
50.	Wyoming		

End of Exhibit 3

ASSUMPTIONS

TERMS OF SERVICE: METER INSTALLATION

STANDARD PROJECT TERMS

1. Installation services will commence within six to ten weeks upon receipt of the Notice to Proceed (NTP).
2. Project pricing is based on standard wage classifications. Any requirement for special wage classifications or rates will necessitate a pricing revision.
3. Project pricing applies only to meters accessible by standard vehicles and does not cover access by boat, ATV, or other non-standard vehicles.
4. The Client is responsible for providing all necessary materials for meter installation (meters, endpoints, ancillary parts). To enable UMS to mobilize, the Client must have either a) all required materials on-site, or b) a minimum six-week supply of materials with a shipping schedule that aligns with the production schedule.
5. UMS requires uninterrupted work progression once the project begins. Interruptions due to material shortages or reasons beyond UMS's control will result in additional charges at the hourly rate, along with any warehousing, housing, or early termination fees.
6. If security concerns arise in specific areas, UMS may require the Client to provide security or police personnel as needed. If the Client does not provide the requested security, UMS reserves the right to delay or suspend work in affected areas until adequate security measures are in place, without liability for resulting delays.
7. Removed meters and endpoints will either be a) stored, transported, and recycled per contract terms, or b) returned to the Client, who assumes responsibility for storage, transportation, and disposal.
8. UMS assumes no special permits or licenses are required for the installation of advanced metering network collectors. If permits are necessary, the Client will either be responsible for obtaining them or compensating UMS for the effort at the agreed hourly rates.

GENERAL INVOICING AND PAYMENT TERMS

1. **Invoicing:** Invoices will be submitted each month. Payment terms are Net 30. Late payments will incur a 1.5% fee. The Client must review and raise any disputes or request corrections within three (3) business days of receiving the invoice. If no corrections are requested within this timeframe, the invoice will be considered accepted as-is. Corrections requested after the 3-day review period will not alter the original payment due date.
2. **Bonding:** If bonding is requested, the cost will be calculated at 2.75% of the contract value and invoiced once the bond is provided. A bonding fee of 2.75% shall apply to all change orders.
3. **Unit Fees:** All work completed will be invoiced at the unit pricing outlined in the contract. Unit pricing provided is based on the project size and project duration. Changes in project size and duration could result in unit pricing revisions.
4. **Service Attempt Fees:** UMS aims to complete meter installations in one visit. If an installation attempt cannot be completed, UMS will charge the Service Attempt Fee as outlined in the contract. All installation attempts will be returned to the utility as an Assist for the first 10 days. If the Client completes the assist request within this 10-day period, UMS will complete the installation at the unit rate specified in the contract. After 10 days, the Assist will be removed from the scope of work, and future installation attempts will be invoiced at the appropriate hourly rate.
5. **Monthly Service Fees:** All monthly services will be invoiced at the rates outlined in the contract. If the project is completed early, the remaining months will be invoiced in the final bill. If the project is extended, the monthly fees will continue until project completion.
6. **Time and Materials Service Fees:** All third-party services and materials procured by UMS on behalf of the Client will be invoiced at cost plus a 20% markup. Services rendered that fall outside existing terms or lack a predefined unit price will be billed at the appropriate hourly rates as outlined in the contract.
 - 6.1. **Additional Services:** UMS provides unit pricing for common issues that can be addressed during meter installation, with prior client approval. Any additional work requested after meter installation will be billed at standard time and materials rates.
 - 6.2. **Additional Costs:** Any additional work beyond the initial scope (e.g., specialized operations, access issues, debris removal, or unforeseen conditions) will incur additional time and/or material charges.
7. **Annual Pricing Adjustment:** All prices are subject to annual adjustment by the Consumer Price Index (CPI) or 5%, whichever is higher.

GENERAL METER INSTALLATION TERMS

1. The Client will provide all active and inactive meter and account data electronically (CSV or Excel). The provided data must be accurate and complete. UMS will not modify or edit this data.
2. All necessary interfaces, such as Customer Information Systems (CIS) and Mass Meter Change Out (MMCO) interfaces, must be established and tested before installation begins.
3. The AMI network must be established, tested, and fully functional before installations begin.
4. The Client shall authorize UMS to work on the Client's behalf with the CIS/utility billing, Meter, and AMI vendors in order to complete the work.
5. The Client is responsible for delivering all customer notification letters and mailings.
6. Residential meter installations will follow the route read sequence. The Client will supply a meter-reading/blackout schedule before the project begins.
7. Meters located in confined spaces, as defined by OSHA, will require additional time, personnel, and safety equipment. These extra costs will be billed in accordance with our Time and Materials Service Terms.
8. The Client shall assist with unsafe installations or unusual circumstances.
9. UMS will only be responsible for repairs or damages caused by UMS inside the meter box. UMS is not liable for any damages downstream/downline from the meter or meter box.
10. UMS will validate that all endpoints are activated on the AMI network and confirm three consecutive daily billable reads.



METER ACCESS AND SCHEDULING TERMS

1. UMS will collaborate with the Client to customize post installation door hangers for outdoor meter installations. For indoor meter installations post installation door hangers and installation scheduling documents will be created. Indoor meter installations will also include developing a scheduling letter to notify customers of their upcoming appointment, along with 2nd and 3rd attempt door hangers for unsuccessful initial contact.
2. Utility Service Shutoff: UMS will be responsible for shutting off utility service to each meter serviced and notifying each utility client of the shutoff. UMS will knock on residential clients' doors before work and leave a notification upon completion.
 - 2.1. For large commercial clients, special efforts will be made to minimize disruption, and UMS will schedule replacements directly with these clients. UMS is responsible for any damage or leaks occurring within the utility meter box or meter setting but shall not be liable for damages outside the meter box resulting from the meter replacement process, including shutoff, temporary outage, or restart of service. Responsibility for plumbing/electrical/gas fixtures inside each facility rests with the utility client.
3. Appointment Scheduling: For meters located indoors and require access to inside the residence the client must release 30% more meters than our project or production schedule outlines to account for customers who do not schedule an appointment.
 - 3.1. UMS will provide a scheduling database, website, and toll-free call center to assist with appointment scheduling for indoor meter installations.
4. Installation Service Attempts: UMS aims to complete meter installations in one visit. UMS will use best practices, including requesting client support or authorization for additional work while onsite. If the issue cannot be resolved during the visit, it will be marked as an "Assist" and subject to the service attempt fee.
 - 4.1. All customer refusals will be reported to the utility as an "Assist" and will be subject to the service Attempt Fee.

WATER METER INSTALLATION TERMS

1. All meter exchanges must be "like-for-like" (same size and lay length), with no plumbing alterations required.
2. All system isolation devices are expected to be operational and located within the meter box or meter setting. UMS is not responsible for failures or inaccessibility of these devices.
3. Water meter installations may involve either full replacement or retrofit. UMS is not responsible for pre-existing issues, including corrosion or deteriorating plumbing.
4. UMS shall return any meters in hazardous conditions or with code violations to the Client. These will be marked as a Service Attempt and removed from UMS's scope.
5. Standard connections will be reused for meter installations unless otherwise specified. Additional services such as the replacement of meter couplings, setters, or flanges will be charged separately in accordance with our Time and Materials Service Terms.
6. Access to meters deeper than 18 inches, or requiring extensive excavation, will incur additional time and/or material charges.
7. Changed Conditions: If UMS encounters subsurface or latent physical conditions differing materially from expected conditions, UMS will notify the Client in writing before further disturbing the site. The Client will investigate and, if the conditions materially differ, both parties will negotiate a change order. If these conditions affect cost or time, an alternative solution will be negotiated.
8. Installations of large meters require specialized operations and may incur additional costs, which will be communicated to the Client.
9. Unobstructed access is required for large pit meters. Additional costs for debris removal or equipment rental will be billed separately.
10. UMS assumes that all valves for meters 1.5 inches or larger are functional.

WARRANTY

UMS warrants that all meter installation services performed will be free from defects in workmanship for a period of six (6) months from the installation date. This warranty covers only the labor performed by UMS and does not extend to equipment or materials provided by the Client or third parties.

If the Client suspects a defect related to UMS's workmanship, the Client must first conduct an initial investigation. This warranty does not cover defects arising from equipment or materials provided by the Client or third parties, or from misuse, neglect, or external factors beyond UMS's control.

To submit a warranty claim, the Client must follow UMS's standard claims process, detailing the nature of the defect and providing relevant evidence. Upon receipt, UMS will investigate, which may involve dispatching a technician to the site. If the defect is found to be due to faulty workmanship, UMS will resolve the issue at no cost to the Client. However, if the defect is determined to be due to customer tampering, equipment misuse, or external factors, UMS will invoice the Client for the investigation and any corrective work authorized, in accordance with UMS's time and materials pricing.

Kamstrup Water Metering, LLC
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Roswell, GA 300086, USA
☎ +1(404)835-6716
@ info-us@kamstrup.com • kamstrup.com/en-us

WATER

2024 | Gross prices | USD

We reserve the right at any time
to correct any errors in pricing.

V2024.2

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Water Meters

flowIQ® 2200 (Acoustic Leak Detection & RF)

flowIQ® 2200 ultrasonic residential water meter with an integrated acoustic leak sensor

Available with RF (3-channel 915MHz) and RF (450-470MHZ). To be ordered in combination with Leak Detector software.

Type No.			List Price - USD
02-K-02-D-1-8A-8-UB	flowIQ® 2200 25 GPM 5/8" x 1/2" x 7 1/2" (3/4" thread)	Composite	415.00
02-K-02-D-1-8C-8-UB	flowIQ® 2200 32 GPM 3/4" x 7 1/2" or 9" (1" thread)	Composite	465.00
02-K-02-D-1-8B-8-UB	flowIQ® 2200 25 GPM 5/8" x 3/4" x 7 1/2" (1" thread)	Composite	425.00
02-K-02-D-1-8R-8-UB	flowIQ® 2200 25 GPM 5/8" x 3/4" x 5.1" (1" thread)	Composite	445.00
02-L-02-D-1-8B-8-UB	flowIQ® 2200 25 GPM 5/8" x 3/4" x 7 1/2" (1" thread)	Stainless Steel	500.00
02-L-02-D-1-8N-8-UB	flowIQ® 2200 35 GPM 3/4" x 7 1/2" (1" thread)	Stainless Steel	500.00
02-L-02-D-1-8L-8-UB	flowIQ® 2200 35 GPM 3/4" x 3/4" x 9" (1" thread)	Stainless Steel	545.00
02-L-02-D-1-8D-8-UB	flowIQ® 2200 55 GPM 1" x 10 3/4" (1 3/4" thread)	Stainless Steel	585.00

Additional features for flowIQ® 2200 RF

Type No.		List Price - USD
02-X-XX-D-1-XX-9RW	Reclaimed Water	25.00

Accessories for flowIQ® 2200 RF

Type No.			List Price - USD
31-30-137	EPDM gaskets for 5/8" x 1/2" meter	3 pcs.	2.75
31-30-260	EPDM gaskets for 5/8" x 3/4" & 3/4"	3 pcs.	4.10
31-30-253	Fiber gasket for 1" threaded	2 pcs.	4.20
30-26-689	Extension - 1" - 3/4" x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - 3/4" x 1.2 incl. two gaskets	2 pcs.	34.00
59-15-398	Extension - 1" - 1 1/2" x 1.5" incl. gasket	1 pc.	25.00
66-99-490	US Wall Antenna, 6.6 ft cable, AMR/AMI connection *	1 pc.	124.00
66-99-491	US Wall Antenna, 65.6 ft cable, AMR/AMI connection *	1 pc.	317.00
66-97-914	US Pit Antenna 5", 6.6 ft cable, AMR/AMI connection *	1 pc.	77.00
66-97-915	US Pit Antenna 5", 24.6 ft cable, AMR/AMI connection *	1 pc.	101.00
66-97-916	US Pit Antenna 5", 2.0 ft cable, AMR/AMI connection *	1 pc.	73.00
65-56-565	Accessory kit for wall and pit antennas (AMI cover, AMI adapter, seal) **	1 pc.	5.50
65-56-564	Spare part stubby antenna RF with lock pins***	1 pc.	14.00
65-56-574	flowIQ® 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-673	Lid KWM2220/3220/KWM4220 Reclaimed Water	10 pcs.	26.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
65-56-517	Check valve for 5/8" x 1/2" meter	1 pc.	9.60
65-56-516	Check valve for 5/8" x 3/4" & 3/4" meter	1 pc.	9.60
66-99-479	Mounting tool for check valve	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

* Must be ordered together with 65-56-565 ** Must be ordered together with 66-99-490, 66-99-491, 66-97-914, 66-97-915 and 66-97-916

*** Included in standard configuration of flowIQ® 2200 water meter

flowIQ® 3200 (RF)

flowIQ® 3200 ultrasonic district water meter

Available with RF (3-channel 915MHz) and RF (450-470MHZ).

Type No.			List Price - USD
02-L-02-D-1-8F-8-UB	flowIQ 3200 120 GPM 1½" (fl) x 13"	Stainless Steel	1,300.00
02-L-02-D-1-8H-8-UB	flowIQ 3200 160 GPM 2" (fl) x 17"	Stainless Steel	1,510.00
02-L-02-D-1-8M-8-UB	flowIQ 3200 160 GPM 2" (fl) x 15 ¼"	Stainless Steel	1,670.00
02-L-02-D-1-8K-8-UB	flowIQ 3200 350 GPM 3" (fl) x 12"	Stainless Steel	2,500.00
02-L-02-D-1-8P-8-UB	flowIQ 3200 700 GPM 4" (fl) x 14"	Stainless Steel	2,920.00

Additional features for flowIQ® 3200 RF

Type No.		List Price - USD
02-X-XX-D-1-XX-9RW	Reclaimed Water	35.00

Accessories for flowIQ® 3200 RF

Type No.			List Price - USD
31-30-263	Fiber gasket for 1½" flanged *	1 pc.	14.00
31-30-143	Fiber gasket for 2" flanged *	1 pc.	18.00
22-10-239	Fiber gasket for 3" flanged *	1 pc.	23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts*	1 pc.	25.00
66-99-490	US Wall Antenna, 6.6 ft cable, AMR/AMI connection **	1 pc.	124.00
66-99-491	US Wall Antenna, 65.6 ft cable, AMR/AMI connection **	1 pc.	317.00
66-97-914	US Pit Antenna 5", 6.6 ft cable, AMR/AMI connection **	1 pc.	77.00
66-97-915	US Pit Antenna 5", 24.6 ft cable, AMR/AMI connection **	1 pc.	101.00
66-97-916	US Pit Antenna 5", 2.0 ft cable, AMR/AMI connection **	1 pc.	73.00
65-56-565	Accessory kit for wall and pit antennas (AMI cover, AMI adapter, seal) ***	1 pc.	5.50
65-56-564	Spare part stubby antenna RF with lock pins****	1 pc.	14.00
65-56-574	flowIQ® 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-673	Lid KWM2220/3220/KWM4220 Reclaimed Water	10 pcs.	26.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

* 2 pieces to be ordered ** Must be ordered together with 65-56-565

*** Must be ordered together with 66-99-490, 66-99-491, 66-97-914, 66-97-915 and 66-97-916

**** Included in standard configuration of flowIQ® 3200 water meter

flowIQ® 4200 (RF)

flowIQ® 4200 ultrasonic district water meter

Including Split flanges

Type No.				List Price - USD
02-E-02-G-1-FR-8US	flowIQ4200 1600GPM 6" x 18"		Stainless Steel	6,250.00
02-E-02-G-1-GA-8US	flowIQ4200 2800GPM 8" x 20"		Stainless Steel	8,850.00
02-E-02-G-1-GJ-8US	flowIQ4200 4500GPM 10" x 17.7"		Stainless Steel	10,420.00
02-E-02-G-1-GS-8US	flowIQ4200 5500GPM 12" x 19.7"		Stainless Steel	11,980.00

Accessories for flowIQ® 4200 (RF)

Type No.				List Price - USD
65-56-574	flowIQ® 2200, 3200 and 4200 external connection cover	1 pc.		2.00
21-20-139	Spool piece 6" - 6" x 6.08"	1 pc.		542.00
21-20-140	Spool piece 8" - 8" x 6.12"	1 pc.		762.00
22-10-255	Gasket for 6" flange meters	1 pc.		21.00
22-10-256	Gasket for 8" flange meters	1 pc.		44.50
22-10-257	Gasket for 10" flange meters	1 pc.		51.00
22-10-258	Gasket for 12" flange meters	1 pc.		53.00
66-99-645	Lid KWM2220/3220/4220	1 pc.		61.50
65-56-564	Spare part stubby antenna RF with lock pins***	1 pc.		14.00
30-26-909	Optical eye holder flowIQ® 4200	1 pc.		11.20
66-99-821	Battery replacement kit for flowIQ® 4200	1 pc.		193.50
21-20-135	Split flange 6"	2 pcs.		284.00
21-20-136	Split flange 8"	2 pcs.		415.00
21-20-137	Split flange 10"	2 pcs.		626.00
21-20-138	Split flange 12"	2 pcs.		789.00

*** Included in standard configuration of flowIQ® 4200 water meter

flowIQ® 2200 (Cellular)

flowIQ® 2200 ultrasonic residential water meter with an integrated acoustic leak sensor

To be ordered in combination with Leak Detector software.

Type No.			List Price - USD
02-K-82-D-1-8A-8-UB	flowIQ® 2200 25 GPM $\frac{5}{8}$ " x $\frac{1}{2}$ " x $7\frac{1}{2}$ " ($\frac{3}{4}$ " thread)	Composite	456.50
02-K-82-D-1-8C-8-UB	flowIQ® 2200 32 GPM $\frac{3}{4}$ " x $7\frac{1}{2}$ " or 9" (1" thread)	Composite	506.50
02-K-82-D-1-8B-8-UB	flowIQ® 2200 25 GPM $\frac{5}{8}$ " x $\frac{3}{4}$ " x $7\frac{1}{2}$ " (1" thread)	Composite	466.50
02-K-82-D-1-8R-8-UB	flowIQ® 2200 25 GPM $\frac{5}{8}$ " x $\frac{3}{4}$ " x 5.1" (1" thread)	Composite	486.50
02-L-82-D-1-8B-8-UB	flowIQ® 2200 25 GPM $\frac{5}{8}$ " x $\frac{3}{4}$ " x $7\frac{1}{2}$ " (1" thread)	Stainless Steel	541.50
02-L-82-D-1-8N-8-UB	flowIQ® 2200 35 GPM $\frac{3}{4}$ " x $7\frac{1}{2}$ " (1" thread)	Stainless Steel	541.50
02-L-82-D-1-8L-8-UB	flowIQ® 2200 35 GPM $\frac{3}{4}$ " x $\frac{3}{4}$ " x 9" (1" thread)	Stainless Steel	586.50
02-L-82-D-1-8D-8-UB	flowIQ® 2200 55 GPM 1" x $10\frac{3}{4}$ " ($1\frac{3}{4}$ " thread)	Stainless Steel	626.50

Accessories for flowIQ® 2200 Cellular

Type No.			List Price - USD
31-30-137	EPDM gaskets for $\frac{5}{8}$ " x $\frac{1}{2}$ " meter	3 pcs.	2.75
31-30-260	EPDM gaskets for $\frac{5}{8}$ " x $\frac{3}{4}$ " & $\frac{3}{4}$ "	3 pcs.	4.10
31-30-253	Fiber gasket for 1" threaded	2 pcs.	4.20
30-26-689	Extension - 1" - $3/4$ " x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - $3/4$ " x 1.2 incl. two gaskets	2 pcs.	34.00
59-15-398	Extension - 1" - $1\frac{1}{2}$ " x 1.5" incl. gasket	1 pc.	25.00
65-56-574	flowIQ® 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
65-56-517	Check valve for $\frac{5}{8}$ " x $\frac{1}{2}$ " meter	1 pc.	9.60
65-56-516	Check valve for $\frac{5}{8}$ " x $\frac{3}{4}$ " & $\frac{3}{4}$ " meter	1 pc.	9.60
66-99-479	Mounting tool for check valve	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
59-20-404	Magnet pen for NB-IoT meter	1 pc.	53.75
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

flowIQ® 3200 (Cellular)

flowIQ® 3200 ultrasonic district water meter

Available with RF (3-channel 915MHz) and RF (450-470MHZ).

Type No.			List Price - USD
02-L-82-D-1-8F-8-UB	flowIQ 3200 120 GPM 1½" (fl) x 13"	Stainless Steel	1,362.50
02-L-82-D-1-8H-8-UB	flowIQ 3200 160 GPM 2" (fl) x 17"	Stainless Steel	1,572.50
02-L-82-D-1-8M-8-UB	flowIQ 3200 160 GPM 2" (fl) x 15 ¼"	Stainless Steel	1,732.50
02-L-82-D-1-8K-8-UB	flowIQ 3200 350 GPM 3" (fl) x 12"	Stainless Steel	2,562.50
02-L-82-D-1-8P-8-UB	flowIQ 3200 700 GPM 4" (fl) x 14"	Stainless Steel	2,982.50

Accessories for flowIQ® 3200 Cellular

Type No.			List Price - USD
31-30-263	Fiber gasket for 1½" flanged *	1 pc.	14.00
31-30-143	Fiber gasket for 2" flanged *	1 pc.	18.00
22-10-239	Fiber gasket for 3" flanged *	1 pc.	23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts*	1 pc.	25.00
65-56-574	flowIQ® 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
59-20-404	Magnet pen for NB-IoT meter	1 pc.	53.75
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

flowIQ® 2100 & 3101 (AMR)

flowIQ® 2100 ultrasonic cold water meter with Wireless M-Bus at 915 MHz and C-cell battery

Tri-channel enabled by default. Order single channel enabled for use with USB Meter Reader

Type No.			List Price - USD
02U-57-C02-8UX	flowIQ 2100 25 GPM $\frac{5}{8}$ " x $\frac{1}{2}$ " x $7\frac{1}{2}$ " ($\frac{3}{4}$ " thread)	Composite	315.60
02U-57-C04-8UX	flowIQ 2100 25 GPM $\frac{5}{8}$ " x $\frac{3}{4}$ " x $7\frac{1}{2}$ " (1" thread)	Composite	315.60
02U-57-C05-8UX	flowIQ 2100 25 GPM $\frac{5}{8}$ " x $\frac{3}{4}$ " x 5.1" (1" thread)	Composite	315.60
02U-57-C06-8UX	flowIQ 2100 32 GPM $\frac{3}{4}$ " x $7\frac{1}{2}$ " (1" thread)	Composite	342.60

flowIQ® 3101 ultrasonic cold water meter with Wireless M-Bus at 915 MHz and C-cell battery

Type No.			List Price - USD
03U-57-C0P-8UX	flowIQ 3101 35 GPM $\frac{3}{4}$ " x $7\frac{1}{2}$ "	Stainless Steel	469.30
03U-57-C0T-8UX	flowIQ 3101 35 GPM $\frac{3}{4}$ " x 9"	Stainless Steel	499.40
03U-57-C0Q-8UX	flowIQ 3101 55 GPM 1" (th) x $10\frac{3}{4}$ "	Stainless Steel	680.00

Accessories for flowIQ® 2100 (AMR)

Type No.			List Price - USD
31-30-137	EPDM gaskets for $\frac{5}{8}$ " x $\frac{1}{2}$ " meter	3 pcs.	2.75
31-30-260	EPDM gaskets for $\frac{5}{8}$ " x $\frac{3}{4}$ " & $\frac{3}{4}$ "	3 pcs.	4.10
30-26-689	Extension - 1" - $3/4$ " x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - $3/4$ " x 1.2 incl. two gaskets	2 pcs.	34.00
30-26-691	Extension - 1" - $1\frac{1}{2}$ " x 1.5"	1 pc.	25.00
59-15-398	Extension - 1" - $1\frac{1}{2}$ " x 1.5" incl. gasket	1 pc.	25.00
66-99-478	Lid for wireless meters	10 pcs.	39.75
65-56-517	Check valve for $\frac{5}{8}$ " x $\frac{1}{2}$ " meter	1 pc.	9.60
65-56-516	Check valve for $\frac{5}{8}$ " x $\frac{3}{4}$ " & $\frac{3}{4}$ " meter	1 pc.	9.60
66-99-479	Mounting tool for check valve	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
66-97-143	US Pit Antenna I for flowIQ water meter, pit mount 2 m / 6.6 ft cable	1 pc.	41.00
66-97-144	US Pit/Wall Antenna I for flowIQ water meter, pit or wall mount 7.5 m / 24.6 ft cable, includes cover for wall mounting	1 pc.	49.00
66-97-912	US Pit Antenna 5", 6.6 ft cable, inductive coupler	1 pc.	41.00
66-97-913	US Pit Antenna 5", 24.6 ft cable, inductive coupler	1 pc.	58.00
66-97-145	Extender for isolated pit lid, fits Pit Antenna I	5 sets	45.50
66-97-146	Cover for wall mount of external antenna	5 pcs.	59.00
65-61-331	Optical holder flowIQ2100/3101 module 57	1 pcs	21.00

Accessories for flowIQ® 3101 (AMR)

Type No.		List Price - USD		
31-30-253	Fiber gasket for 1" threaded	2 pcs.		4.20
31-30-263	Fiber gasket for 1½" flanged	2 pcs.		14.00
31-30-143	Fiber gasket for 2" flanged	2 pcs.		18.00
22-10-239	Fiber gasket for 3" flanged	2 pcs.		23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts	1 pc.		25.00
66-99-478	Lid for wireless and AMI meters	10 pcs.		39.75
66-97-143	US Pit Antenna I for flowIQ water meter, pit mount 2 m / 6.6 ft cable	1 pc.		41.00
66-97-144	US Pit/Wall Antenna I for flowIQ water meter, pit or wall mount 7.5 m / 24.6 ft cable, includes cover for wall mounting	1 pc.		49.00
66-97-912	US Pit Antenna 5", 6.6 ft cable, inductive coupler	1 pc.		41.00
66-97-913	US Pit Antenna 5", 24.6 ft cable, inductive coupler	1 pc.		58.00
66-97-145	Extender for isolated pit lid, fits Pit Antenna I	5 sets		45.50
66-97-146	Cover for wall mount of external antenna	5 pcs.		59.00

flowIQ® 2100 & 3101 (Encoded Output)

flowIQ® 2100 ultrasonic cold water meter, Type 23, with encoded/TRPL output and C-cell battery, C715-18

Must specify cable type below.

Type No.			List Price - USD
02U-23-C01-8EX	flowIQ 2100 25 GPM $\frac{5}{8}$ " x $\frac{1}{2}$ " x $7\frac{1}{2}$ " ($\frac{3}{4}$ " thread)	Composite	219.00
02U-23-C03-8EX	flowIQ 2100 25 GPM $\frac{5}{8}$ " x $\frac{3}{4}$ " x $7\frac{1}{2}$ " (1" thread)	Composite	219.00
02U-23-C07-8EX	flowIQ 2100 25 GPM $\frac{5}{8}$ " x $\frac{3}{4}$ " x 5.1" (1" thread)	Composite	219.00
02U-23-C08-8EX	flowIQ 2100 32 GPM $\frac{3}{4}$ " x $7\frac{1}{2}$ " (1" thread)	Composite	240.00
02U-23-C08-8EX+	flowIQ 2100 32 GPM $\frac{3}{4}$ " x 9" (1" thread)	Composite	264.00

flowIQ® 3101 ultrasonic cold water meter, Type 23, with encoded/TRPL output and C-cell battery, C715-18

Must specify cable type below.

Type No.			List Price - USD
03U-23-C0R-8EX	flowIQ 3101 35 GPM $\frac{3}{4}$ " (th) x $7\frac{1}{2}$ " (190 mm)	Stainless Steel	425.00
03U-23-C0U-8EX	flowIQ 3101 35 GPM $\frac{3}{4}$ " (th) x 9" (228 mm)	Stainless Steel	435.00
03U-23-C0S-8EX	flowIQ 3101 55 GPM 1" (th) x 10 $\frac{3}{4}$ "	Stainless Steel	500.00
03U-23-C0J-8EX	flowIQ 3101 120 GPM $1\frac{1}{2}$ " (fl) x 13"	Stainless Steel	1,145.00
03U-23-C0L-8EX	flowIQ 3101 160 GPM 2" (fl) x 15 $\frac{1}{4}$ "	Stainless Steel	1,560.00
03U-23-C0K-8EX	flowIQ 3101 160 GPM 2" (fl) x 17"	Stainless Steel	1,395.00
03U-23-C0M-8EX	flowIQ 3101 350 GPM 3" (fl) x 12" (350 mm)	Stainless Steel	2,195.00
03U-23-C0N-8EX	flowIQ 3101 700 GPM 4" (fl) x 14" (355.5 mm)	Stainless Steel	2,595.00

Type 23 cables

Type No.			List Price - USD
9000023	Nicor 5'	1 pc.	28.00
5000558.1	Nicor 5' - Packed with meter	1 pc.	23.50
5000558.2	Nicor 5' - Factory mounted	1 pc.	27.70
9000029	Nicor 25'	1 pc.	43.00
9000022	Itron 5'	1 pc.	53.00
5000557.1	Itron 5' - Packed with meter	1 pc.	43.90
5000557.2	Itron 5' - Factory mounted	1 pc.	51.75
9000028	Itron 25'	1 pc.	72.00
9000019	Flying Lead 5'	1 pc.	14.00
5000549.1	Flying Lead 5' - Packed with meter	1 pc.	12.20
5000549.2	Flying Lead 5' - Factory mounted	1 pc.	14.40
9000020	Flying Lead 25'	1 pc.	37.50
9000021	TRPL 5'	1 pc.	61.00
5000556.1	TRPL 5' - Packed with meter	1 pc.	50.00
5000556.2	TRPL 5' - Factory mounted	1 pc.	59.00
9000030	TRPL 25'	1 pc.	102.00

Accessories for flowIQ® 2100 (Encoded Output)

Type No.			List Price - USD
31-30-137	EPDM gaskets for 5/8" x 1/2" meter	3 pcs.	2.75
31-30-260	EPDM gaskets for 5/8" x 3/4" & 3/4"	3 pcs.	4.10
30-26-689	Extension - 1" - 3/4" x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - 3/4" x 1.2 incl. two gaskets	2 pcs.	34.00
30-26-691	Extension - 1" - 1 1/2" x 1.5"	1 pc.	25.00
59-15-398	Extension - 1" - 1 1/2" x 1.5" incl. gasket	1 pc.	25.00
66-99-639	Lid for encoded meters - Type 23 Module meters (replaceable cable)	10 pcs.	56.20
65-56-517	Check valve for 5/8" x 1/2" meter	1 pc.	9.60
65-56-516	Check valve for 5/8" x 3/4" & 3/4" meter	1 pc.	9.60
66-99-479	Mounting tool for check valve 5/8" x 1/2"	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
65-61-354	Optical holder flowIQ2100/3101 module 23 Grey bracket	1 pc.	30.00
9000024	Cable clamp black	1 pc.	0.90
9000014	Flying lead 5', cable clamp and seal	1 pc.	18.00
9000018	Nicor 5', cable clamp and seal	1 pc.	36.00
9000017	Itron 5', cable clamp and seal	1 pc.	60.00
9000016	TRPL 5', cable clamp and seal	1 pc.	72.00
9000015	Flying lead 25' cable clamp and seal	1 pc.	54.00
9000031	Nicor 25' cable clamp and seal	1 pc.	72.00
9000033	Itron 25' cable clamp and seal	1 pc.	90.00
9000032	TRPL 25' cable clamp and seal	1 pc.	120.00

Accessories for flowIQ® 3101 (Encoded Output)

Type No.			List Price - USD
31-30-253	Fiber gasket for 1" threaded	2 pcs.	4.20
31-30-263	Fiber gasket for 1 1/2" flanged	2 pcs.	14.00
31-30-143	Fiber gasket for 2" flanged	2 pcs.	18.00
22-10-239	Fiber gasket for 3" flanged	2 pcs.	23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts	1 pc.	25.00
66-99-639	Lid flowIQ2100/3101 module 23 Grey bracket	10 pcs.	56.20
65-61-354	Optical holder flowIQ2100/3101 module 23 Grey bracket	1 pc.	30.00
9000024	Cable clamp black	1 pc.	0.90
9000014	Flying lead 5', cable clamp and seal	1 pc.	18.00
9000018	Nicor 5', cable clamp and seal	1 pc.	36.00
9000017	Itron 5', cable clamp and seal	1 pc.	60.00
9000016	TRPL 5', cable clamp and seal	1 pc.	72.00
9000015	Flying lead 25' cable clamp and seal	1 pc.	54.00
9000031	Nicor 25' cable clamp and seal	1 pc.	72.00
9000033	Itron 25' cable clamp and seal	1 pc.	90.00
9000032	TRPL 25' cable clamp and seal	1 pc.	120.00

External communication and verification

External communication and verification

External communication

Type No.	List Price - USD
66-99-023	Pulse adapter, 10 liter/pulse; 2.5 gal/pulse; 0.5 ft ³ /pulse 201.00

Verification and logging

Type No.	List Price - USD
66-99-143	Pulse interface for verification (flowIQ® 2100 AMR, flowIQ® 3101 AMR) 330.50
66-99-099	Infrared optical reading head with USB plug for data acquisition 437.00
65-61-355	Plastic clip to secure the fixation of infrared optical head (flowIQ®2200, flowIQ® 3200) 21.00
65-61-331	Plastic clip to secure the fixation of infrared optical head (flowIQ® 2100 AMR, flowIQ® 3101 AMR) 21.00
65-61-354	Plastic clip to secure the fixation of infrared optical head (flowIQ® 2100 EO, flowIQ® 3101 EO) 30.00

Test results

Test results

Test certificate

The certificates are sent with the products.

Type No.		USD
5939067	Test certificate for all water meters - fee for each water meter	8.50

Test certificate by e-mail

The certificates are sent as PDF documents.

Type No.		USD
5939251	Test certificate for cold water meters - fee for each cold water meter	4.30

Test results by e-mail

Type No.		USD
5939079	Test results by e-mail for all water meters - fee for each water meter	0.70

MAG8000

MAG8000

MAG8000 with MODBUS module and cable to READy Gateway (ordered separately).

Only supported with READy software.

Please specify 4D cell 6 year battery or 115 VAC.

MAG8000 water meter incl. 4D battery

Type No.	List Price - USD
6584433 Siemens-MAG8000 USA o.l./ 3"	5,138.36
6584434 Siemens-MAG8000 USA o.l./ 4"	5,501.12
6584435 Siemens-MAG8000 USA o.l./ 5"	6,105.76
6584436 Siemens-MAG8000 USA o.l./ 6"	6,710.40
6584437 Siemens-MAG8000 USA o.l./ 8"	7,918.62
6584438 Siemens-MAG8000 USA o.l./ 10"	8,523.25
6584439 Siemens-MAG8000 USA o.l./ 12"	10,336.11
6584440 Siemens-MAG8000 USA o.l./ 14"	13,359.30
6584441 Siemens-MAG8000 USA o.l./ 16"	16,381.32
6584442 Siemens-MAG8000 USA o.l./ 18"	17,589.54
6584443 Siemens-MAG8000 USA o.l./ 20"	20,612.73
6584444 Siemens-MAG8000 USA o.l./ 24"	24,239.50

MAG8000 water meter incl. power supply 115/230 VAC

Type No.	List Price - USD
6584478 Siemens-MAG8000 USA o.l./ 3"	4,715.05
6584479 Siemens-MAG8000 USA o.l./ 4"	5,440.68
6584480 Siemens-MAG8000 USA o.l./ 5"	6,045.32
6584481 Siemens-MAG8000 USA o.l./ 6"	6,648.90
6584482 Siemens-MAG8000 USA o.l./ 8"	7,858.17
6584483 Siemens-MAG8000 USA o.l./ 10"	8,462.81
6584484 Siemens-MAG8000 USA o.l./ 12"	10,275.56
6584485 Siemens-MAG8000 USA o.l./ 14"	13,298.75
6584486 Siemens-MAG8000 USA o.l./ 16"	16,319.82
6584487 Siemens-MAG8000 USA o.l./ 18"	17,529.10
6584488 Siemens-MAG8000 USA o.l./ 20"	20,552.28
6584489 Siemens-MAG8000 USA o.l./ 24"	24,177.99

MAG8000 accessories

Type No.		List Price - USD
6584521	Grounding ring DN50 / 2"	901.03
6584522	Grounding ring DN65 / 2½ "	1,004.40
6584523	Grounding ring DN80 / 3"	1,004.40
6584524	Grounding ring DN100 / 4"	1,004.40
6584525	Grounding ring DN125 / 2"	1,004.40
6584526	Grounding ring DN50 / 2"	1,004.40
6584527	Grounding ring DN50 / 2"	1,081.24
6584528	Grounding ring DN50 / 2"	1,248.87
6584529	Grounding ring DN50 / 2"	1,423.49
6584500	External battery pack with 4 d-cell	726.41

READY Gateway

READY Gateway is a battery powered radio transmitter for automatic data collection for MAG8000 water meter. 915 Tri channels.

Type No.		List Price - USD
669656XXXXXX	READY Gateway, US, including mounting bracket and quick guides	432.00

Additional configuration options

All prices are net prices

Type No.		USD
P20	Siemens FM Fire Service Approval 2"-4"	286.50
P21	Siemens FM Fire Service Approval 6"-8"	573.00
P22	Siemens FM Fire Service Approval 10"-12"	1,194.00
5M	16.4 ft (5 m) remote cables mounted	243.00
10M	32.8 ft (10 m) remote cables mounted	275.00
20M	65.6 ft (20 m) remote cables mounted	320.00

Additional configuration options - Encoder interface with Sensus protocol

All prices are net prices

Type No.		USD
5FT	Encoder interface cable w/connector for ITRON radio, length 5 ft.	278.00
25FT	Encoder interface cable w/connector for ITRON radio, length 25 ft.	297.00

READY Suite - Drive-by (AMR) and Fixed Network (AMI)

READY Manager

Software

Initial investment (one-time fee)

Metering points		AMR		AMI	
Software	≤ 100	6696051	772.00	6696451	1,852.00 USD
Software	≤ 250	6696052	1,312.00	6696452	3,704.00 USD
Software	≤ 800	6696053	1,852.00	6696453	7,716.00 USD
Software	≤ 1,600	6696054	2,746.00	6696454	11,816.00 USD
Software	≤ 2,400	6696055	3,776.00	6696455	14,935.00 USD
Software	≤ 3,200	6696056	4,806.00	6696456	18,768.00 USD
Software	≤ 4,000	6696057	6,007.00	6696457	20,763.00 USD
Software	≤ 5,000	6696058	7,418.00	6696458	25,401.00 USD
Software	≤ 7,500	6696059	11,157.00	6696459	36,902.00 USD
Software	≤ 10,000	6696060	14,590.00	6696460	45,621.00 USD
Software	≤ 15,000	6696061	20,024.00	6696461	60,879.00 USD
Software	≤ 20,000	6696062	21,062.00	6696462	65,777.00 USD
Software	≤ 25,000	6696063	24,546.00	6696463	69,975.00 USD

Prices for more metering points are available on request. Please contact the product manager.

Hosting Subscription

Includes yearly software license, support and hosting agreement (recurrent fee)

Metering points		AMR		AMI		
Hosting Subscription	≤ 100	6696051FH	765.00	6696451FH	1,109.50	USD
Hosting Subscription	≤ 250	6696052FH	1,235.50	6696452FH	1,774.00	USD
Hosting Subscription	≤ 800	6696053FH	1,586.00	6696453FH	2,221.00	USD
Hosting Subscription	≤ 1,600	6696054FH	1,999.00	6696454FH	4,745.00	USD
Hosting Subscription	≤ 2,400	6696055FH	2,440.00	6696455FH	5,744.00	USD
Hosting Subscription	≤ 3,200	6696056FH	2,872.00	6696456FH	6,857.00	USD
Hosting Subscription	≤ 4,000	6696057FH	3,340.00	6696457FH	7,653.00	USD
Hosting Subscription	≤ 5,000	6696058FH	3,843.00	6696458FH	9,062.00	USD
Hosting Subscription	≤ 7,500	6696059FH	5,023.00	6696459FH	11,825.00	USD
Hosting Subscription	≤ 10,000	6696060FH	6,394.00	6696460FH	14,691.00	USD
Hosting Subscription	≤ 15,000	6696061FH	9,641.00	6696461FH	21,472.00	USD
Hosting Subscription	≤ 20,000	6696062FH	12,115.00	6696462FH	29,709.00	USD
Hosting Subscription	≤ 25,000	6696063FH	13,760.00	6696463FH	31,917.00	USD

Prices for more metering points are available on request. Please contact the product manager.

READy Manager, Add-on modules

Additional user

Metering points		Software (one-time fee)		Yearly Software License (recurrent fee)	
Additional user	≤ 100	6696201	free	6696201F	298.00 USD
Additional user	≤ 250	6696202	free	6696202F	298.00 USD
Additional user	≤ 800	6696203	free	6696203F	298.00 USD
Additional user	≤ 1,600	6696204	free	6696204F	298.00 USD
Additional user	≤ 2,400	6696205	free	6696205F	298.00 USD
Additional user	≤ 3,200	6696206	free	6696206F	298.00 USD
Additional user	≤ 4,000	6696207	free	6696207F	446.00 USD
Additional user	≤ 5,000	6696208	free	6696208F	446.00 USD
Additional user	≤ 7,500	6696209	free	6696209F	446.00 USD
Additional user	≤ 10,000	6696210	free	6696210F	742.00 USD
Additional user	≤ 15,000	6696211	free	6696211F	742.00 USD
Additional user	≤ 20,000	6696212	free	6696212F	742.00 USD
Additional user	≤ 25,000	6696213	free	6696213F	742.00 USD

Priority meters

Metering points		Software (one-time fee)		Yearly Software License (recurrent fee)	
Maximum of 50 meters in priority allowed. Price per meter in priority.		6696301	free	6696301F	29.75 USD

Notifications

Email or text notification of info codes

Metering points		Software (one-time fee)		Yearly Software License (recurrent fee)		
Notifications	≤ 100	6696501	free	6696501F	98.00	USD
Notifications	≤ 250	6696502	free	6696502F	119.00	USD
Notifications	≤ 800	6696503	free	6696503F	139.00	USD
Notifications	≤ 1,600	6696504	free	6696504F	159.00	USD
Notifications	≤ 2,400	6696505	free	6696505F	198.00	USD
Notifications	≤ 3,200	6696506	free	6696506F	318.00	USD
Notifications	≤ 4,000	6696507	free	6696507F	397.00	USD
Notifications	≤ 5,000	6696508	free	6696508F	497.00	USD
Notifications	≤ 7,500	6696509	free	6696509F	597.00	USD
Notifications	≤ 10,000	6696510	free	6696510F	737.00	USD
Notifications	≤ 15,000	6696511	free	6696511F	916.00	USD
Notifications	≤ 20,000	6696512	free	6696512F	1,069.00	USD
Notifications	≤ 25,000	6696513	free	6696513F	1,228.00	USD

Meter Exchange

Metering points		Software (one-time fee)		Hosting Subscription* (recurrent fee)	
Meter Exchange	≤ 100	6696401	208.00	6696401FH	313.20 USD
Meter Exchange	≤ 250	6696402	310.00	6696402FH	376.75 USD
Meter Exchange	≤ 800	6696403	1,036.00	6696403FH	421.75 USD
Meter Exchange	≤ 1,600	6696404	1,658.00	6696404FH	691.50 USD
Meter Exchange	≤ 2,400	6696405	1,762.00	6696405FH	879.00 USD
Meter Exchange	≤ 3,200	6696406	1,968.00	6696406FH	954.00 USD
Meter Exchange	≤ 4,000	6696407	2,175.00	6696407FH	1,012.00 USD
Meter Exchange	≤ 5,000	6696408	2,590.00	6696408FH	1,129.00 USD
Meter Exchange	≤ 7,500	6696409	3,107.00	6696409FH	1,251.00 USD
Meter Exchange	≤ 10,000	6696410	3,729.00	6696410FH	1,487.00 USD
Meter Exchange	≤ 15,000	6696411	4,143.00	6696411FH	1,917.00 USD
Meter Exchange	≤ 20,000	6696412	4,143.00	6696412FH	3,117.00 USD
Meter Exchange	≤ 25,000	6696413	4,143.00	6696413FH	3,239.00 USD

* includes Yearly Software License and support for hosted solution

API Access

Metering points		Software (one-time fee)		Hosting Subscription* (recurrent fee)	
API Access	≤ 800	6696701	1,545.00	6696701FH	1,294.00 USD
API Access	≤ 3,200	6696702	3,087.00	6696702FH	2,077.00 USD
API Access	≤ 7,500	6696703	4,632.00	6696703FH	3,118.00 USD
API Access	≤ 20,000	6696704	6,793.00	6696704FH	4,571.00 USD

* includes Yearly Software License and hosting

Network monitoring, Add-on

Network monitoring provides a overview of meter reading data for you to easily see where data collection have issues.

The prices consist of yearly software license and a support agreement and will be invoiced on a yearly basis. Network monitoring is compatible with fixed network and NB-IoT. Purchase of API access is mandatory for network monitoring.

As a first time user, please remember to order Up & Running for network monitoring.

	Metering Points	Support agreement* (recurrent fee)	
Network monitoring	≤ 100	331.00	USD
Network monitoring	≤ 250	563.00	USD
Network monitoring	≤ 800	1,105.00	USD
Network monitoring	≤ 1,600	1,672.00	USD
Network monitoring	≤ 2,400	2,018.00	USD
Network monitoring	≤ 3,200	2,505.00	USD
Network monitoring	≤ 4,000	2,929.00	USD
Network monitoring	≤ 5,000	3,428.00	USD
Network monitoring	≤ 7,500	4,776.00	USD
Network monitoring	≤ 10,000	6,039.00	USD
Network monitoring	≤ 15,000	8,666.00	USD
Network monitoring	≤ 20,000	10,863.00	USD
Network monitoring	≤ 25,000	12,870.00	USD
Network monitoring	≤ 30,000	15,023.00	USD
Network monitoring	≤ 35,000	17,219.00	USD
Network monitoring	≤ 40,000	19,392.00	USD
Network monitoring	≤ 45,000	21,482.00	USD
Network monitoring	≤ 50,000	23,562.00	USD
Network monitoring	≤ 60,000	27,718.00	USD
Network monitoring	≤ 70,000	30,902.00	USD
Network monitoring	≤ 80,000	33,802.00	USD
Network monitoring	≤ 90,000	36,435.00	USD
Network monitoring	≤ 100,000	38,819.00	USD

Network monitoring, Add-on - Up & Running

Start-up price for network monitoring or when needed to be on boarded on network monitoring. Price includes set-up of network monitoring with data flow from READy using READy API, configuration of network monitoring and 3 on boarding meetings to give a "guided tour" in network monitoring to get familiar with the solutions. The 3 on boarding meetings will ensure users know how to operate network monitoring and provide guidance on how to connect network monitoring with data collection issues in the water distribution network.

Type No.			
66961400W	Up & Running with Network Monitoring	1,083.00	USD

REAdy Hardware

REAdy Hardware

REAdy Converter

Type No.		List Price - USD
669640000	REAdy Converter, US, basic 1 x REAdy 3 channel Converter including whip antenna, 1 x 110 VAC wall adapter, 1 x micro-USB cable, 1 x quick guide	1,546.00
66964000.2	REAdy Converter, US, advanced 2 x REAdy 3 channel converter built into a sturdy flightcase including 2 whip antennas, 2 x 110 VAC wall adapters, 2 x micro-USB cables, 2 x external antennas, 2 x mobile holders and a quick guide	3,094.50

Accessories for REAdy Converter

Type No.		List Price - USD
5005001	Antenna whip, US	181.70
6696010	Magnetic roof antenna, US	286.40
6696025	Mobile holder	71.20

REAdy Collector set

Type No.		List Price - USD
REAdy Collector Set	Kamstrup AMI RF Collector*	14,233.00

* Standard set includes REAdy collector top & base with modem, 2 pcs. AMI antenna, 2 pcs. 6.5' cable between REAdy Collector top and AMI antennas, Ethernet cable to REAdy collector from top to base, 200' Power cable between collector top and base, bracket for REAdy collector top, adapter plate for REAdy top collector, antenna beam 39", bracket for antenna beam, Sierra Wireless RV50 LTE Gateway; other configurations on request

Accessories for REAdy Collector

Type No.		List Price - USD
5915575	2 m/6 ft Power & Ethernet cables supply kit	185.00
5915576	15 m/50 ft Power & Ethernet cables supply kit	440.00
5915577	24.5 m/80 ft Power & Ethernet cables supply kit	613.50
5915578	45.7 m/150 ft Power & Ethernet cables supply kit	1,008.00
5915579	61 m/200 ft Power & Ethernet cables supply kit	1,306.50
5915580	73 m/240 ft Power & Ethernet cables supply kit	1,500.50
6697450	Omni antenna with N-connector	930.00
5915581	2 m/6 ft Antenna cable with N-connector	217.00
5915582	5m/16 ft Antenna cable with N-connector	291.00

READYy MTU

READYy MTU

READYy MTU

Excl. cable type and accessory mount type. Please choose cable type and accessory mount type below. These must be ordered, but are not included in the READYy MTU price. Incl. external stub antenna with IP-housing.

Type No.	List Price - USD
5915611	READYy MTU 256.00

Cables

Type No.	List Price - USD
5000491.11	Flying Lead 5' - Packed with meter 11.50
5000491.2	Flying Lead 5' - Factory mounted 12.50
5000515.1	Nicor 5' - Packed with meter 23.50
5000515.2	Nicor 5' - Factory mounted 24.50
5000516.1	ltron 5' - Packed with meter 44.50
5000516.2	ltron 5' - Factory mounted 45.50

Accessories

Type No.	List Price - USD
6556560	Mounting L-bracket for pit/wall installation 5.30
6556562	Protection cover for sun exposed areas 1 pc. 14.00
6556563	Protection cover for sun exposed areas 6 pcs. 83.00
6556558	External stub antenna with housing - ordered separately 8.50

Water Intelligence

Water Intelligence

Water Intelligence is a collection of software modules and services that enables advanced analysis of data collected from smart water meters and sensors.

On the following pages you will find the different modules and services that can be purchased. If you require more information on the individual modules, please read through the datasheet.

Pipeline Integration

The water utilities' geographic information system (GIS) mapping can be integrated into water intelligence to enable better strategic decisions.

Pipeline integration is available for all Water Intelligence modules.

Type no.		USD
BC30302.100W	Pipeline Integration	628.50

Pipeline Update Service

When changes occur to the pipeline network, it is important to have it updated. With this service we will ensure that your updated pipeline is integrated to your Water Intelligence module.

Type No.		
BC30302.500W	Pipeline Update Service	419.00

District Analyzer & Services

District Analyzer

District Analyzer is a Water Intelligence module that uses data from smart meters to analyze water loss in the distribution network.

The price consists of yearly software license and a support agreement and will be invoiced on a yearly basis.

As a first time user, please remember to order Up & Running for District Analyzer.

Metering points		AMR		AMI		
District Analyzer	≤ 100	6664US2108F	738.00	6664US2008F	878.00	USD
District Analyzer	≤ 250	6664US2109F	958.00	6664US2009F	1,228.00	USD
District Analyzer	≤ 800	6664US2101F	1,258.00	6664US2001F	1,758.00	USD
District Analyzer	≤ 1,600	6664US2110F	1,348.00	6664US2010F	1,988.00	USD
District Analyzer	≤ 2,400	6664US2111F	1,498.00	6664US2011F	2,278.00	USD
District Analyzer	≤ 3,200	6664US2102F	1,608.00	6664US2002F	2,468.00	USD
District Analyzer	≤ 4,000	6664US2112F	1,858.00	6664US2012F	3,038.00	USD
District Analyzer	≤ 5,000	6664US2103F	2,088.00	6664US2003F	3,558.00	USD
District Analyzer	≤ 7,500	6664US2113F	2,388.00	6664US2013F	4,128.00	USD
District Analyzer	≤ 10,000	6664US2104F	2,708.00	6664US2004F	5,128.00	USD
District Analyzer	≤ 15,000	6664US2114F	3,558.00	6664US2014F	6,838.00	USD
District Analyzer	≤ 20,000	6664US2105F	4,718.00	6664US2005F	9,298.00	USD
District Analyzer	≤ 25,000	6664US2115F	5,528.00	6664US2015F	10,548.00	USD

District Analyzer – Up & Running

Start-up price for District Analyzer when needed to be onboarded on District Analyzer with a complete Kamstrup set-up. This is a one-time fee for first time users.

Type No.		USD
BC30302.500W	District Analyzer – Up & Running	419.00

District Analyzer – Third Party Meter Integration

Start-up price for District Analyzer when needed to be onboarded on District Analyzer without having Kamstrup district meters. This is a one-time fee for first time users.

Type No.		USD
BC30302.79W	Third Party District Meter Integration ≤100 metering points	999.00
BC30302.80W	Third Party District Meter Integration ≤250 metering points	999.00
BC30302.10W	Third Party District Meter Integration ≤800 metering points	999.00
BC30302.81W	Third Party District Meter Integration ≤1,600 metering points	1,289.00
BC30302.82W	Third Party District Meter Integration ≤2,400 metering points	1,289.00
BC30302.11W	Third Party District Meter Integration ≤3,200 metering points	1,289.00
BC30302.83W	Third Party District Meter Integration ≤4,000 metering points	1,599.00
BC30302.12W	Third Party District Meter Integration ≤5,000 metering points	1,599.00
BC30302.84W	Third Party District Meter Integration ≤7,500 metering points	1,929.00
BC30302.13W	Third Party District Meter Integration ≤10,000 metering points	1,929.00
BC30302.85W	Third Party District Meter Integration ≤15,000 metering points	2,279.00
BC30302.14W	Third Party District Meter Integration ≤20,000 metering points	2,279.00
BC30302.86W	Third Party District Meter Integration ≤25,000 metering points	2,669.00

District Analyzer – Set-up of districts

Price for assisting in defining additional districts.

Type No.		USD
BC30302.20W	Set-up of districts, 1-3 districts	499.00
BC30302.21W	Set-up of districts, 4-6 districts	999.00
BC30302.22W	Set-up of districts, 7-9 districts	1,489.00
BC30302.23W	Set-up of districts, 10-12 districts	1,989.00
BC30302.24W	Set-up of districts, 13-16 districts	2,659.00

District Analyzer – Additional district meter

Price per district meter for adding an additional third-party district meter to the application.

Type No.		USD
BC30302.30W	Adding an additional district meter	169.00

Leak Detector & Services

Leak Detector, Subscription

The price consists of yearly software license and a support agreement and will be invoiced on a yearly basis.

Leak Detector is compatible with both AMI and AMR.

As a first time user, please remember to order Up & Running for Leak Detector.

Type No.		USD
BCUS30302.101W	Subscription price, Leak Detector ≤100 metering points	369.00
BCUS30302.102W	Subscription price, Leak Detector ≤250 metering points	899.00
BCUS30302.103W	Subscription price, Leak Detector ≤800 metering points	2,829.00
BCUS30302.104W	Subscription price, Leak Detector ≤1,600 metering points	5,559.00
BCUS30302.105W	Subscription price, Leak Detector ≤2,400 metering points	8,179.00
BCUS30302.106W	Subscription price, Leak Detector ≤3,200 metering points	10,689.00
BCUS30302.107W	Subscription price, Leak Detector ≤4,000 metering points	13,109.00
BCUS30302.108W	Subscription price, Leak Detector ≤5,000 metering points	16,079.00
BCUS30302.109W	Subscription price, Leak Detector ≤7,500 metering points	23,659.00
BCUS30302.110W	Subscription price, Leak Detector ≤10,000 metering points	30,949.00
BCUS30302.111W	Subscription price, Leak Detector ≤15,000 metering points	45,539.00
BCUS30302.112W	Subscription price, Leak Detector ≤20,000 metering points	59,569.00
BCUS30302.113W	Subscription price, Leak Detector ≤25,000 metering points	73,049.00

Leak Report Service

The prices consist of yearly software licence and a support agreement and will be invoiced on a yearly basis. Leak Report is compatible with both Fixed network and Drive-by.

As a first time user, please remember to order Up & Running for Leak Report Service.

Type No.		USD
66642994FW & BC30302.1600W	Subscription price, Leak Report Service ≤100 metering points	369.00
	Subscription price, Leak Report Service ≤250 metering points	899.00
	Subscription price, Leak Report Service ≤800 metering points	2,829.00
	Subscription price, Leak Report Service ≤1,600 metering points	5,559.00
	Subscription price, Leak Report Service ≤2,400 metering points	8,179.00
	Subscription price, Leak Report Service ≤3,200 metering points	10,689.00
	Subscription price, Leak Report Service ≤4,000 metering points	13,109.00
	Subscription price, Leak Report Service ≤5,000 metering points	16,079.00
	Subscription price, Leak Report Service ≤7,500 metering points	23,659.00
	Subscription price, Leak Report Service ≤10,000 metering points	30,949.00
	Subscription price, Leak Report Service ≤15,000 metering points	45,539.00
	Subscription price, Leak Report Service ≤20,000 metering points	59,569.00
	Subscription price, Leak Report Service ≤25,000 metering points	73,049.00

Leak Detector – Up & Running

Start-up price for Leak Detector or when needed to be onboarded on Leak Detector. Includes set-up of Leak Detector with data flow from READY, configuration of Leak Detector and 3 onboarding meetings to give a "guided tour" in Leak Detector to get familiar with the solutions. The 3 onboarding meetings will ensure users know how to operate Leak Detector and provide guidance on how to connect Leak Detector with leaks onsite.

Type No.		USD
BC30302.200W	Leak Detector – Up & Running	1,323.00

Leak Detector – Trial Service

The Trial Service includes the Up & Running service, including set-up and configuration of Leak Detector and 3 onboarding meetings to have users familiarise themselves with the features, user interface and finding leaks onsite. The Trial Service is available for up to 800 metering points for a 90 days trial period and requires that one or more flowIQ® 2200 meters have been installed in READY. Leak Detector Trial can work with both AMI and AMR.

Type No.		USD
BC30302.300W	Trial Service Leak Detector	1,679.00

ALD as an Upgrade

ALD as an Upgrade is available for customers wishing to start Leak Detector at a later point in time, due to resource constrains or current low water loss. The ALD as an Upgrade includes setup of Leak Detector with data flow from READy and 1 onboarding training to give a "guided tour" in Leak Detector for the customer to be familiar with the solutions for the 20 metering point available in the applications. Once the customer is ready to use standard Leak Detector - standard subscription and up & running must be configured at standard prices.

Type No.		USD
BC30302.224W	ALD as an Upgrade - Up & Running	925.00
BC30302.224W	ALD as an Upgrade - Subscription for 20 metering points	free

AMR & AMI System Services

AMR System Rollout

Onsite Setup option includes travel expenses and assumes one day on customer premises.

Type No.		USD
692Y00000 remote	AMR Startup package (Remote setup)	4,399.00
692Y00000 onsite	AMR Startup Package (Onsite setup)	7,651.00

AMI System Rollout

Choosing a delivery model is required for AMI systems deployments.

Do-It-Yourself Delivery model

Limited Kamstrup involvement; requires Channel Partner experience and Kamstrup authorization.

For systems with more than 10,000 metering points, please contact Kamstrup with your request.

Type No.		USD
692YS00000	Do-It-Yourself < 1,500 metering points	10,156.00
692YM00000	Do-It-Yourself < 5,000 metering points	13,923.00
692YL00000	Do-It-Yourself < 10,000 metering points	18,018.00

Do-It-Assisted Delivery model

Kamstrup involvement in initial phase, standard delivery model.

For systems with more than 10,000 metering points, please contact Kamstrup with your request.

Type No.		USD
692AS00000	Do-It-Assisted < 1,500 metering points	21,621.00
692AM00000	Do-It-Assisted < 5,000 metering points	32,760.00
692AL00000	Do-It-Assisted < 10,000 metering points	43,898.00

Do-It-Together Delivery model

Kamstrup involvement in hole project deployment.

Please contact Kamstrup for pricing - allow 2-3 weeks after project requirements have been shared.

Additional deployment services

Onsite Training Option assumes one day on customer premises

Type No.		USD
BC20106W	Service, hourly rate	249.00
BC20107.3X	Billing Interface Standard	3,082.50
BC20103X	Installer/Operator Training (onsite)	4,623.70
BC20103X	Installer/Operator Training (remote)	1,321.00

Training and Courses

Trainings and Courses

Monitoring & Verification of leaks

This course provides a thorough introduction to the Acoustic Leak Detection Solution, in-depth knowledge to the structure and use of Leak Detector and training in relevant listening and detection techniques.

Choose between onsite or online training (webinar).

Type No.		USD
BC41107W	Onsite training course	<i>on request</i>
BC41108W	Online training course	<i>on request</i>

flowIQ® 2200, flowIQ® 3200 and flowIQ® 4200

Encoded Output pricing

flowIQ® 2200 Encoded Output

flowIQ® 2200 ultrasonic cold water meter, with encoded/TRPL output and 2 x A-cell battery, AWWA C715-18

Type No.			List Price - CA\$	List Price - US\$
02-K-41-A-1-8A-8-UB	flowIQ® 2200 25 GPM 5/8" x 1/2" x 7 1/2" (3/4" thread)	Composite	257.78	219.00
02-K-41-A-1-8C-8-UB	flowIQ® 2200 32 GPM 3/4" x 7 1/2" or 9" (1" thread)	Composite	282.5	240.00
02-K-41-A-1-8B-8-UB	flowIQ® 2200 25 GPM 5/8" x 3/4" x 7 1/2" (1" thread)	Composite	257.78	219.00
02-K-41-A-1-8R-8-UB	flowIQ® 2200 25 GPM 5/8" x 3/4" x 5.1" (1" thread)	Composite	257.78	219.00
02-L-41-A-1-8B-8-UB	flowIQ® 2200 25 GPM 5/8" x 3/4" x 7 1/2" (1" thread)	Stainless steel	500.26	425.00
02-L-41-A-1-8N-8-UB	flowIQ® 2200 35 GPM 3/4" x 7 1/2" (1" thread)	Stainless steel	500.26	425.00
02-L-41-A-1-8L-8-UB	flowIQ® 2200 35 GPM 3/4" x 3/4" x 9" (1" thread)	Stainless steel	512.03	435.00
02-L-41-A-1-8D-8-UB	flowIQ® 2200 55 GPM 1" x 10 3/4" (1 1/4" thread)	Stainless steel	588.54	500.00

flowIQ® 3200 Encoded Output

flowIQ® 3200 ultrasonic cold water meter, with encoded/TRPL output and 2 x A-cell battery, AWWA C715-18

Type No.			List Price - CA\$	List Price - US\$
02-L-41-A-1-8F-8-UB	flowIQ® 3200 120 GPM 1 1/2" (fl) x 13"	Stainless steel	1,347.76	1,145.00
02-L-41-A-1-8H-8-UB	flowIQ® 3200 160 GPM 2" (fl) x 17"	Stainless steel	1,642.03	1,394.00
02-L-41-A-1-8M-8-UB	flowIQ® 3200 160 GPM 2" (fl) x 15 1/4"	Stainless steel	1,836.25	1,560.00
02-L-41-A-1-8K-8-UB	flowIQ® 3200 350 GPM 3" (fl) x 12"	Stainless steel	2,583.70	2,195.00
02-L-41-A-1-8P-8-UB	flowIQ® 3200 700 GPM 4" (fl) x 14"	Stainless steel	3,054.53	2,595.00

flowIQ® 4200 Encoded Output

flowIQ® 3200 ultrasonic cold water meter, with encoded/TRPL output and 2 x D-cell battery, AWWA C715-18

Type No.			List Price - CA\$	List Price - US\$
02-E-41-G-1-FR-8-UB	flowIQ® 4200 6" [1600GPM]; 11.9"	Stainless steel	6,179.69	5,250.00
02-E-41-G-1-GA-8-UB	flowIQ® 4200 8" [2800GPM]; 13.8"	Stainless steel	9,828.65	8,350.00
02-E-41-G-1-GJ-8-UB	flowIQ® 4200 10" [4500GPM]; 17.75"	Stainless steel	11,653.13	9,900.00
02-E-41-G-1-GS-8-UB	flowIQ® 4200 12" [5500GPM]; 19.7"	Stainless steel	13,477.60	11,450.00